JOURNAL

of the

American Veterinary Medical Association

Index for Volume 144 Nos. 1-12 January-June, 1964

Published by

AMERICAN VETERINARY MEDICAL ASSOCIATION

600 S. MICHIGAN AVE., CHICAGO, ILL.

Contents Copyright 1964 by American Veterinary Medical Association

Index of Names

Authors

Aanes, W. A., 485, 747 Adam, Neil M., 24 Aftomis, James, 127, 155 Aiken, J. M., 1395 Albright, J. L., 1013 Armistead, W. W., 1093 Asbury, A. C., 879 Aust, S. D., 1013

Baker, R. F., 1020
Ball, Leslie, 146, 264, 747
Bankowski, R. A., 612
Barnes, Donald M., 1391
Barrett, Robert B., 607
Bartholomew, R. C., 1008
Bashe, Winslow J., Jr., 384
Beck, C. C., 620
Belling, Theodore H., Jr., 998
Bierer, Bert W., 380, 727, 731
Bisgard, G. E., 501
Blair, Joseph L., 1283
Blake, W. P., 1405
Blanchard, D. D., 152
Bohl, E. H., 1294
Boone, Ernest G., 641
Boucher, William B., 1132
Bowne, J. G., 759
Braun, John L., 272
Brewer, R. L., 1013
Brodey, R. S., 628
Brodie, B. O., 1013
Brooks, Frederick T., 237
Brown, Donald E., 389
Brown, William W., Jr., 146
Bryan, Gary M., 1303
Butler, William T., 399
Byers, J. H., 1013

Campbell, J. R., 1145 Carroll, Edward J., 146, 747 Case, Marvin T., 254 Chaffee, Paul S., 1114 Chow, T. L., 1005 Christensen, L. R., 513 Clark, D. E., 750 Clarke, T. J., 981 Colwell, R. K., 605 Corwin, L. A., Jr., 1398 Craige, John E., 47 Crane, C. S., 13 Curtis, Earnest M., 395

Danz, J. W., 143 De Sas Kropiwnicki, M. J., 1389 Duncan, J. R., 33

El Shafie, Sid A., 998 Eleazer, Thomas H., 380, 727, 731 Ellis, D. J., 620 Ellis, E. M., 377 Erickson, K., 492

Feldman, Bruce M., 1409 Ferrell, John F., 508 Fichtner, G. J., 620 Foster, Billy G., 272 Foster, N. M., 759 Fox, M. W., 868 Frank, Norma A., 1402 Fritz, T. E., 1013

Galton, Mildred M., 888 Gerrish, R. R., 875 Gillette, E. L., 1398 Grant, R. Peery, 395 Greenstein, Edward T., 858 Griffiths, Henry J., 991 Groverman, F. A., 615 Groves, H. F., 600

Hammond, P. B., 864
Harbert, William B., 46, 179
Helwig, John H., 384
Hill, George J., 399
Hjerpe, C. A., 734, 1129, 1287, 1406
Hoerlein, Alvin B., 146
Hoopes, K. H., 1395
Howarth, J. A., 612
Huck, R. A., 612
Hughes, John P., 879
Hunt, L. M., 750

Jackson, J. B., 1127 Jochim, M. M., 759 Johnson, A. D., 994 Jonas, Albert M., 1277 Jonas, Salo, 1277 Jones, T. C., 1105

Hunt, Ronald D., 508

Kalter, S. S., 1281 Kaneko, I. J., 367 Kendall, H. E., 377 Kenney, John S., 607 Kerlin, Raymond E., 870 Kitselman, C. H., 1113 Kleine, L. J., 1429 Kohler, E. M., 1294 Kortum, W. M., 615 Koutz, F. R., 600 Kramer, Theodore, 146 Krawitz, Leonard, 986

Laiho, E. R., 620 Lawson, D. D., 1145 Leibrecht, R. H., 266 Levine, Norman D., 741 Lewis, R. E., 501 Link, R. P., 1013 Little, Peter B., 374 Luedke, A. J., 759 Lukas, G. N., 13 Lumb, William V., 722

Mahaffey, Leo W., 24 Mairs, R. E., 259 Mason, Dwight R., 497 Masterson, Ralph A., 381 McCulloch, William F., 272 McKercher, D. G., 136 Meinershagen, William A., 497 Meleney, William P., 756 Mell, B. D., 1020 Milinsky, Harold C., 857 Mohan, R. N., 741 Molello, J. A., 1005 Moon, Harley W., 1391 Morgan, Joe P., 533, 722, 777, 911, 1035 Myers, R. M., 994

Neil, C. M., 152 Nestle, Allen S., 252 Nielsen, Svend W., 127, 155 Nims, Robert M., 508 North, Robert L., 851

Ojay, Edwin, 857 Olsen, Carl D., 888 Olsen, R. E., 1013 Ott, Bruce S., 851 Owen, N. V., 1005

Palmer, J. S., 143, 268, 750 Peterson, H. O., 756 Phillips, C. E., 276 Pickens, George E., 851 Pounden, W. D., 1402 Powell, Harty S., 380 Prynn, B., 605

Raker, Charles W., 895
Raymond, Bruce A., 851
Redding, R. W., 605
Remson, Arnold M., 1397
Resnick, Samuel, 1115
Rhoades, H. E., 1013
Rhode, E. A., 367
Rhodes, M. B., 1395
Rhodes, W. H., 287
Rickard, Charles G., 607
Riser, Wayne H., 287, 413, 709, 1145
Roebuck, Doyle E., 380, 727, 731
Rosner, S. F., 1127
Ross, R. F., 33
Rubin, Ellis F., 237
Rubin, Lionel F., 1387
Russell, Jack, 1127
Russell, Jack, 1127
Russell, Jack H., 381

Sanger, V. L., 259
Saunders, Burton, 985
Schlotthauer, John C., 991
Schnurrenberger, Paul R., 381, 384
Scott, James A., 146, 264
Scrivner, Lloyd H., 497, 883, 1024
Segall, Sam, 603
Short, Charles E., 257
Short, E. C., 864
Shotts, Emmett B., Jr., 888
Simon, J., 1013
Singh, V. K., 1020
Skelley, J. F., 164
Smith, John C., II, 1303
Soave, Orland A., 387

Stair, E. L., 1395 Stewart, Mary A., 888 Strickland, R. K., 875 Studdert, M. J., 615 Sulzer, Catherine R., 888 Switzer, W. P., 33 Szanto, Joseph, 741

Taglia, L., 413 Theilen, G. H., 1129 Thrasher, J. P., 1119 Trapp, A. L., 259

Ulberg, L. C., 994

Van Kruiningen, H. J., 1008 Van Ness, G. B., 492 Van Roekel, H., 19

Wada, E. M., 136, 615 Waldhalm, Donald G., 497 Watkins, W. W., 13 Watt, R., 266 Weitkamp, Raymond A., 597 Whitehead, G. L., 620 Wilkinson, J. S., 404 Willson, John E., 389 Wilson, R. B., 981 Wisccup, W. G., 152 Woodward, Mark B., 38 Worley, David E., 42

Yamanouchi, K., 612

Personals

Allam, Mark W. 1322 Amling, W. E., 786 Anderson, Dan J., 192 Anthony, Russell H., 190 Asbill, Stephen G., 309 Azelton, Robert P., 91

Bailey, W. S., 657
Baker, Durwood L., 72
Baldwin, David H., 544
Barnum, D. A., 927
Barrett, Ralph L., 788
Barrows, E. D., 214
Bartholomees, George E., 546, 654
Beerv, Ray W., 565

Beery, Ray W., 565 Binks, Hugh E., 73 Blood, Benjamin D., 921, 926 Boley, L. E., 787 Brandly, Carl, 307 Burkholder, R. H., 663

Calhoon, Joseph R., 681 Carlson, William D., 1160 Carter, E. S., 654 Chamberlayne. Earl C., 921 Clark, D. D., 76 Clarke, Neville P. 651 Coffey, Russell, 788 Coggins, Leroy, 66 Coles, E. H., 73 Coles, Embert, 923 Cordell, Gerald K.. 926 Cox, Joseph E., 790 Cummings, C. H., 653

Dietrich, L. E., Sr., 788 Donovan, John F., 647 Dougherty, Ellsworth, 1160 Douglas, Earle, 1318

Elder, Cecil, 653 Elwood, G. S., 539 Emmerson, M. A., 76 Evans, Edward B., 651

Fahr, Robert F., 790 Fallon, Harry J., 789 Fisher, Lester E., 185 Ford, Lee, 58 Foster, William J., 1319

Garrett, R. G., 1442

Getty, Robert, 643 Goetz, E. F., 787 Goldstein, Harry E., 1156 Graham, J. E. B., 193 Groth, A. H., Jr., 658 Grumbles, L. C., 1321

Hall, Fred A., 663 Hampton, Ronny J., 432 Hardin, Russell W., 662 Hayes, Frank A., 916 Hemphill, F. E., 651 Henderson, Joshua E., 434 Herrick, John B., 192 Hubbard, Daniel W., 921 Hulland, T. J., 928 Hummel, R. C., 565

Jenkins, James H., 916 Justice, W. H., 1068

Keane, Henry J., 921 King, H. C., 433 Kitchell, R. L., 543 Knowles, Jack O., 184 Koone, Edith, 913 Kuehn, Heintz R., 1431 Kuhlmah, William M., 662 Kummero, Virgil E., 328

Langer, Peter H., 214 Lassen, K. O., 432 Leasure, Elden E., 788 Lockard, William, 819

Maberry, Mathew B., 70 MacKellar, Robert Stuart, 924 Marsh, Herbert L., 788 Matsuoka, Tats, 564 Maurer, F. D., 657 McClelland, E. S., 819 McNutt, S. H., 430 Miller, Robert R., 77 Miller, W. M., 657 Moello, Joseph A., 450 Moody, Richard A., 1069 Moore, Thomas W., 432 Morgan, Patrick M., 657

Nance, H. W., 650 Neurauter, Lloyd J., 928 Noland, James C., 547 Olsson, Sten-Eric, 191 Osteen, Wilson M., 544

Paradee, Mrs. Daniel, 793 Pennewell, R. D., 654 Petschulat, N. D., 681 Pistor, William J., 922 Pomeroy, B. S., 545

Reeves, Johnie L., 431 Roberts, Stephen J., 1162

Savage, Alfred, 306 Schantz, Hugh A., 1317, 1438 Schroder, J. D., 928 Schwenke, G. E., 653 Searl, Richard C., 328 Seaton, Vaughn A., 548 Shomer, Robert R., 1439 Skewes, A. R., 544 Skold, Bernard, 643 Smith, D. L. T., 429 Snyder, W. E., 565 Spangler, Don H., 301 Spike, Cyril, 783 Stoner, John C., 328 Strieber, William R., 654 Stubbs, Evan Lee, 189

Taylor, Albert A., 1319 Taylor, Robert E., 328 Tennison, Bert, 1069 Tersigni, Patrick Francis, 1043 Thomas, George N., 656 Thomasson, John, 654 Tierkel, Ernest S., 1318

Vezey, Stanley A., 214 Von Ostertag, Robert, 1435

Wallace, Edward F., 922 Wass, Wallace M., 925 Wedman, E. Edward, 1322 Wertz, Wesley H., 654 West, James R., 926 Williams, Don E., 1320 Williamson, Jane L., 545 Winkler, John K., 657 Winn, John F., 1322

Yarborough, James H., 925 Young, W. A., 655

Deaths

Alford, Irving S., 933 Allen, Stanley W., 1324 Anderson, Herbert, 1324 Andrews, John D., 664 Antle, Finley F., 664 Appleby, Samuel, 435 Applegate, Ralph W., 1164

Baldwin, Clarence W., 1050 Beland, J. A., 935 Benson, James M., 1164 Bergman, Roy E., 791 Berry, Thomas A., 550 Bigwood, Frank M., 1050 Blakefield, Harry W., 933 Boies, Fred A., 1444 Bolton, Kenneth V., 77 Botkin, Van V., 77 Boyd, Walter A., 309 Brenner, J. H., 194 Buckley, Frank W., 309 Butterworth, James A., 1445

Campbell, Harry C., 194
Cartr, Frank L., 194
Carter, Richard W., 1050
Chivers, Walter H., 1445
Christianson, Oren A., 1051
Cobb, C. O., 194
Collins, W. R., 933
Comtois, Gabriel O., 935
Cooper, C. J., 194
Cox, Norman H., 309
Creedon, Patrick J., 1325
Croft, Walter B., 933
Curry, Charles M., 1325
Cudd, Vird O., 1164
Curtis, D. A., 195

Davis, L. Blake, 195 Demler, James J., 664 Deubler, Ernest C., 1445 Dudley, Ken, 550 Duncan, Charles E., 78

Eatman, O. R., 933 Edwards, Richard C., 933 Eickstoedt, William C., 435 Elder, Thornton O., 550 Elrod, Roy W., 435 Etienne, George U., 934 Everly, William P., 78 Flook, Bertram C., 935 Forbes, H. L., 934 Francella, John R., 1051 Friedlander, Alfred I., 435

Gatz, Isaac F., 664 Gauthier, J. L., 935 Gilroy, Walter E., 310 Golden, Robert L., 550 Greenway, John E., 1445 Greig, J. Russell, 195

Hamilton, William A., 78 Hammermeister, Russell W., 310 Henley, Claude A., 664 Hester, Pearl H., 1051 Hewitt, Earl A., 435 Hodson, Cecil P., 934 Hufty, C. J., 78

Ingram, Thaddeus H., 1164 Ivy William W., 934

Jackson, Joe B., 550 Jasmin, J. Sylvio, 664 Jones, Čecil R., 1325

Kamper, J. S., 78 King, Timothy, 78 Kinne, Theodore R., 934

Lacroix, John V., 310 Lawrence, William R., 1325 Langstaff, R. W., 1051 Liebsch, Willis A., 1325 Longfellow, William O., 435

MacKellar, William M., 551 Marks, Daniel G., 310 McCarthy, Philip J., 551 McDole, Donald H., 78 McQuire, Michael E., 195 Merrill, Winslow E., 1325 Michael, Leo B., 1051 Michaels, Ernest Lee, 78 Miller, Louis A., 78 Miner, Nathan, 1445 Moncrief, Herbert J., 1051 Myers, Donald J., 78 Myers, John F., 310

Nelson, Nelson L., 310

Ogden, Wilbur O., 934 Ogden, Zeb R., 79 Oleson, Laurence E., 1051 Pattridge, Paul D., 664 Phelps, Oscar S., 934 Pickering, John H., 934 Purdy, Daniel M., 195

Ramon, Gaston, 79 Rebrassier, Russell E., 1326 Rivenburgh, Ira B., 79 Robertson, Leslie L., 934 Rohrer, H. B., 934 Roseboom, Archie A., 664 Rowe, Roy, 665 Russell, Lloyd S., 1051

Schofield, Major, 1051
Seymour, Raymond T., 665
Shabram, Jessie L., 311
Shannon, John, 935
Shattauck, Byron S., 1325
Shaver, Leon E, 435
Shoemaker, Clifton B., 934
Smiltnieks, Hugo Z., 1325
Smith, George T., 79
Smith, Henry G., 1051
Smith, Leonard S., 195
Smith, Robinson W., 791
Smith, Walter B., 1325
Smoyer, Dallas F., 1164
Spencer, A. Clifford, 934
Stanford, John A., 551
Starns, Howard, 1325
Staton, Bruce H., 1445
Stevens, Chauncey C., 792
Stewart, Earl F., 1051
Swartz, A. L., 79

Taylor, George E., 792 Taylor, Melvin A., 551 Thorne, Percy R., 935 Ticehurst, Harry C., 1326 Tierney, Thomas L., 311 Tribon, Albert, 435 Trout, Mahlon H., 1326

Vandervort, Madison K., 551

Warkenten, C. C., 1051 Weston, Robert M., 79 Whiteman, F. O., 435 Whitlock, William B., 792 Wilson, Theus R., 665 Winfrey, W. P., 195 Wisnicky, Walter, 665 Wohlford, R. L., 79 Wyllie, William F., Sr., 1164

Young, George A., Jr., 1164

Zenor, Raymond, 1326

Index of Subjects

Entries marked with an asterisk (*) refer to original papers

A

AAEP Convention, Dec. 8-11, 1963, Selected Abstracts from Scientific Reports and Clinical Discussions at the, 291

AAHA Publishes Booklets on Avian Medicine and Pet Primates, 1322

Abdominal Hernia with Cardiac Complications in a Dog, Diaphragmatic and, 38*

ABORTION (s)

Associated with Mycotic Lesions of the Placenta in Mares, 24*

Experimentally Induced in Cattle by Infectious Bovine Rhinotracheitis Virus, 1005*

in California Beef Cattle, Infectious Bovine Rhinotracheitis, 13* in Cattle, The Virus of Infectious Bovine Rhinotracheitis as a Cause of, 136*

Selenium and Vitamin E Therapy Stops, 1007

Abscess Takes Toll of \$1 Million Monthly, Swine, 74

Abscesses, Corynebacterium pseudotuberculosis Associated with Rapidly Occurring Equine, 152* Acarlasis of Sheep, Incidence of Chorioptic 1426

Acarology, Advances in (Book), 640
Acetazolamide and Hydrochlorothiazide in the Cow, Action of, 903

Cow, Action of, 903
Achalasia of the Esophagus in the Dog, 722*
ADA To Break Ground in November for New
Office Building, 929

Office Building, 929 Addiction in the Dog, Opium, 603* Adenocarcinoma in Heifer, Ovarian (CPC), 1132

Advertising, Criteria for, 950 Africa Stressed, Need for Animal Health Services in, 1320

AFRICAN HORSE SICKNESS-See EQUINE SPECIES

African Livestock Experts To Meet in Addis Ababa, 655

African Veterinary Handbook, The, 774 Aging Process, ISU Research Seeks "Normal" in, 643

A.J.V.R. Reviewers Appointed, Five New, 1153 (Alcutian Disease) A Lesson in Comparative Medicine (Editorial), 403 Amendments to the AVMA Constitution and By-

Amendments to the AVMA Constitution and Bylaws, Proposed, 1157 Ammonium Chloride as a Urinary Acidifier in the

Dog, 864*
Amphotericin B in the Dog, Intravenous Adminis-

Amphotericin B in the Dog, Intravenous Administration of, 399* Amphotericin, Cryptococcosis, and Pigeons (Edit.

Viewpoints), 1299 Anaplasma, Anemia Produced by Infection with, 1148

Anaplasmosis, USDA Scientists Study Tick and Insect Spread of, 661

Anemia Produced by Infection with Anaplasma, 1148

ANESTHESIA

A Brief History of Veterinary, 611 Electrical (Corresp.), 350 in the Hog, Epidural (Film), 118 Small Animal (Book), 906

ANTIOBIOTIC(S)

Effects of Streptococci Against Staphylococci, 1031

in Food and Feedstuffs, FAO/WHO Committee Report on Public Health Aspects of the Use of (Book), 772

in Food and Feedstuffs, the Public Health Aspects of the Use of (Booklet), 910 in Sow's Milk and Pig's Serum, 1131

Antler Growth Associated with Hypogonadism in Deer, Abnormal, 769

Ants Intermediate Hosts for Flukes, 878 Applications, 94, 450, 565, 819, 1068, 1456

Applications, 94, 430, 505, 819, 1008, 1450
Arizona V.M.A. Publishes First Issue of Monthly
Newsletter, 546

Army Veterinary Careers, Senior Veterinary Students Get Facts on, 306

ARTHRITIS

of Swine, Erysipelas. I, 417

of Swine, Erysipelas. II, 770 of Swine, Erysipelas. III, 770

of Swine, Mycoplasma, 1394

Arthroplasty for Canine Hip Disorders, Excision, 602

Artificial Insemination of Swine, 882
Artificial Uterus for Laboratory Instruction, An, 264*

Artificial Vagina for Equine Semen Collection, Use of the, 879*

Asteroid Hyalosis in the Dog, 51
Atrophy in Swine, Bordetella bronchiseptica Produces Turbinate, 625

Auburn Stages First Veterinary Awards Day, 1321

Aujeszky's Disease in Sheep, Experimental, 1422 Aujeszky's Disease in the Dog and Cat, 867 Auriculopalpebral Nerve Block as an Adjunct to the Diagnosis and Treatment of Ocular Inflammation in the Horse, 1387*

Authorship of Articles, Multiple, 163
Authorships Not Increasing in Biomedical Journals, Multiple (Edit. Viewpoints), 1299

Autofluorescence in Demodex canis, 904

AVIAN SPECIES

VIAN SPECIES
Avian Medicine and Pet Primates, AAHA Publishes Booklets on. 1322

lishes Booklets on, 1322 Avian Mycosis, A Bibliography of, 908 Avian Vibrionic Hepatitis, Direct Phase Microscopic Examination of Bile as an Aid in Diagnosing, 380*

Avian Xanthomatous Lesions, Lipids in, 176 Birds, Venipuncture of Small, 870*

Budgerigars, Thyroid Disease in, 1126 Chickens and Turkeys at Various Ages, Sedimentation Rate, Packed Cell Volume, Buffy Coat Value, and Rectal Temperature of, 727* Chickens, Indirect Hemagglutination Test for

Infectious Bronchitis of, 1423 Chickens, Proposes Nomenclature Change for Infection in, 429

AVIAN SPECIES—continued

Chicks, Effect of Certain Environmental Factors on Temperature and Blood of, 731*

Pigeons, Amphotericin. Cryptococcosis, (Edit. Viewpoints), 1299
Poultry Disease Program, Veterinarians Are

Prominent on, 1159

Poultry Diseases, Latin American Veterinarians Study, 75

Turkeys at Various Ages, Sedimentation Rate, Packed Cell Volume, Buffy Coat Value, and Rectal Temperature of Chickens and, 727*

AVMA

Centennial Address Published in Today's Health,

Centennial at Winter Meeting, Maryland State V.M.A. Observes, 65

Constitution and Bylaws, Proposed Amendments to the, 1157

Convention, Guests at, 1316

Convention, Program Participants Invited To Exhibit at, 60

Council ouncil Names Organizing Committee for World Meeting of Veterinary Food Hygienists, 61

Council on Biological and Therapeutic Agents Prescribing and Dispensing Veterinary Drugs.

Council on Education, Nationwide Program on Continuing Education Approved by, 186 Council on Research Reviews Applications for

Undergraduate Scholarship Awards, 1040 Council Reports, Educational Kit on Veterinary

Drug Labeling Ready Soon, 915 Endorses 1965 Budget Request of USDA's Research and Marketing Services, 1152

Executive Board Reviews Association's Accomplishments in 1963, 1037

Exhibits Travel Widely, Support Local and State

PR Projects, 1070 Fellowship Program, Dr. Knowles Urges Sup-

port of, 184 Film Library, Additions to the, 118, 1471

Foundation Initiates Undergraduate Scholarship

Program, 781 Gains 1,043 Members (During 1963), Judicial Council Told, 187

Group Insurance Members in 1964, Trustees Declare Dividends for, 779

Invited To Participate in Community Health Service Study Projects, 1042

Judicial Council Finishes Model Practice Act. 917

Long-Range Planners Meet, 780

Mastitis Committee, A Report of the, 517
Mastitis Committee Drafts Articles on Mastitis Problems, 63

Meeting-An Invitation from President Knowles, The 101st Annual, 1207

PR Director Addresses Dental Group, 781 Public Relations Program Wins National Recognition, 1431

(Publications) J (Editorial), 626 JOURNAL Has Record Year

Research Fund, Tulsa V.M.A. Gives Memorial Gift to, 185

Research Scholars Announced, First, 1436 Scientific Proceedings Sent to All Members, 542 To Move to New Quarters in Chicago, June 1,

To Participate in Annual Congress of the Professions, 62

AWARD(S)

Administered by AVMA, Years and Recipients of. 183

AVMA Members Invited To Make Nominations for 1964, 183

Day, Auburn Stages First Veterinary, 1321 59th Veterinary Inspection Flight Given Outstanding Service (A. A. Taylor), 1319 Young Scientists Win Top AVMA, 1432

AVMA Award (Cole, Dan J. and Jones, Donald Lee), 1432

Certificate of Appreciation (Massachusetts Veterinary Association), 193

Legion of Merit Award (Asbill, Stephen G.), 300

McCoy Memorial Award (Olsson, Sten-Eric), 191

Public Health Service Commendation Medal (Winn, John F.), 1322 Research Fellowship Award (Williams, D. E.),

Silver Anvil Award (AVMA), 1431

U.S. Air Force Outstanding Unit Award (Taylor, A. A.), 1319

U.S. Army L. J.), 928 Army Commendation Medal (Neurauter,

Zeta Award (Yarborough, James H.), 925

Babesia caballi in Tropical Horse Tick, Transmis-

sion of, 1424 Bacterin-Toxoid Reduces Severity of Bovine Mastitis, 280 Bears, Ejection Capsule Test Using, 905

BEEF—See BOVINE SPECIES

(Behavior) A Sociosexual Behavioral Abnormality in the Dog Resembling Oedipus Complex in Man. 868*

Behavior in Mammals, Maternal (Book), 419 Bile as an Aid in Diagnosing Avian Vibrionic Hepatitis, Direct Phase Microscopic Examination of, 380*

Biochemistry of Domestic Animals, Clinical (Book), 178

BIRD—See AVIAN SPECIES

Bison Now Included in Brucellosis Regulations,

BITCH—See CANINE SPECIES

Bladder Lesion in a Calf, Surgical Correction of a, 41 Blastomycosis in a Dog, 535

BLOOD Levels of Sulfonamides Higher in Newborn Than in Older Dogs, 863 Loss, Estimation of Parasitic, 770

of Chicks, Effect of Certain Environmental Factors on Temperature and, 731* Platelets, Nucleic Acids in Bovine, 417

BLOOD—continued

Pressure in Dogs by the Us. of a Xylol Pulse Indicator, Indirect Measurement of Systolic,

Technique for Collection of Large Amounts of Sterile, 1426

Bluetongue in Sheep, Current Status of, 759* Bluetongue Virus, Insect Transmission of Ovine,

BONE

Abscess (Osteomyelitis) in Calf (Diagnosis), 777 Diseases, Classification Aids in Treatment of,

Grafts to Assist Repair of Fractures in Small Dogs, Use of, 252*

Books

Advances in Acarology, 640

Advances in Parasitology, 177 Advances in Small Animal Practice (IV),

Advances in Veterinary Science, 1427 The African Veterinary Handbook, 774

Animal Physiology, 905
Animal Physiology, 905
Animal Technicians Association Manual of Laboratory Animal Practice and Techniques, 908
Baillière's Veterinary Handbook, 1427
A Bibliography of Avian Mycosis, 908

Clinical Biochemistry of Domestic Animals, 178 Coccidiosis, 1149

Current Concepts of Bovine Mastitis, 420 Development of Cerebral Function in the Dog,

Diseases of Cattle, 1301 Diseases Transmitted from Animals to Man, 639

The Eosinophil Leucocytes, 54
The Equine Tarsus: Topographic and Radio-

graphic Anatomy, 640
FAO/WHO Committee Report on Public Health Aspects of the Use of Antibiotics in Public Food and Feedstuffs, 772

Feedstuffs Feed Additive Compendium, 907 Germfree Life and Gnotobiology, 1302

Grass Tetany, 1032 Maternal Behavior in Mammals, 419

Milking Management and Its Relationship to Milk Quality, 532

Parasitism: An Introduction to Parasitology and Immunology for Students of Biology, Veterinary Science, and Medicine, 285

Pathology of Domestic Animals. Vol. 2, 909 Perspectives in Virology III, 55 Proceedings of the Third Symposium of the World Association of Veterinary Food Hygienists, 773

Progress in Nutrition and Allied Sciences, 774
The Public Health Aspects of the Use of Antibiotics in Food and Feedstuffs, 910

Small Animal Anesthesia, 906

Your Dog's Skin Problems, 908

Veterinary and Comparative Dermatology, 1428 Veterinary Med cine, 773

What Does a Veterinarian Do?, 907 World Directory of Veterinary Schools, 419 Year Book of Veterinary Medicine, 284

Books Received but Not Reviewed, 55, 1150, 1302 Bordetella bronchiseptica Produces Turbinate Atrophy in Swine, 625

BOVINE SPECIES

Bovine Blood Platelets, Nucleic Acids in, 417 Bovine Infectious Pustular Vulvovaginitis in the Western United States, 615*

Bovine High Mountain Disease, Pulmonary

Vascular Pathology of, 283 Bovine Leukokinetic Studies, 905

Bovine Leukosis Control in Denmark, 496 Bovine Lung Tissue, Microflora of, 1425

Bovine Mastitis, Bacterin-Toxoid Reduces Severity of, 280

Bovine Respiratory Infection, 175

Bovine Rhinotracheitis Abortion in California Beef Cattle, Infectious, 13*

Bovine Rhinotracheitis as a Cause of Abortion in Cattle, The Virus of Infectious, 136* Bovine Rhinotracheitis Diagnosed by Lesions in

a Calf, Infectious, 1008* Bovine Rhinotracheitis Virus, Properties of In-

fectious, 283

Bovine Seminal Vesiculitis Syndrome, 1300 Bovine Seroagglutinins, Properties of Nonspecific, 771

Serum. Electrophoretic Analysis of,

Bovine Serum, Postvaccinal Brucella Agglutin-

ins in, 1423
Bovine Spermatogenic Epithelium, Seminal Patterns Following Damage to, 1398*
Bovine Tuberculosis, New Rules Adopted for

Setting Up Areas Free of, 1320

Bovine Virus Diarrhea, Atypical, 1287* Bovine Virus Diarrhea, Virus-Neutralization

Test for, 771
Bull Makes American Newspaper Headlines,

Bulls, Brucella abortus in, 53 Bulls, Infectious Pustular Vulvovaginitis Virus

Infection of, 1148 Bulls, Persistent Penile Frenulum in, 747* Calf, Bone Abscess (Osteomyelitis) in (Diag-

nosis), 777 Calf Feed, Effect of Chlortetracycline in, 619 Calf, Foreign Body in the Esophagus, Pneumo-mediastinum, and Rupture of the Esophagus

in (Diagnosis), 1035 Calf, "Hourglass Stomach" in a, 1012

Calf, Surgical Correction of a Bladder Lesion in a, 41

Plasma 17-Hydroxycorticosteroids in, Calves, 638 Calves, Transmission of Shipping Fever in, 767

(Cattle) A Method for Evaluating the Current Reproductive Status of a Dairy Herd, 994* Cattle and Nursing Calves, The Safety of an Organic Phosphorus Insecticide for Pregnant,

Cattle as Health Hazard, U.S. Opposes Importation of French, 781

Cattle by Infectious Bovine Rhinotracheitis Vi-Abortion Experimentally Induced in, Cattle Diseases, Announce International Meeting

in Denmark on, 302 Cattle, Diseases of (Book), 1301

Cattle, Effects of Pre-Existing Leukocytosis on Mastitis in, 531

Cattle, Grass Tetany in California, 1406* Cattle in Illinois and Their Relation to Shipping Fever, Prevalence of Coccidia and Gastrointestinal Nematodes in Beef, 741*

BOVINE SPECIES-continued

Cattle, Leptospirosis Due to Serotype hardjo in, RRR#

Cattle, Moldy Corn Toxicosis in, 1013*

Cattle, Role of Heat-Killed Bacteria and Feed Supplements of Animal Origin in Producing Tuberculin Hypersensitivity in, 49

Cattle, Staphylococcic Infection in Man and, 267 Cattle, The Public Health and Economic Effects of Vesicular Stomatitis in a Herd of Dairy, 377*

Cattle to Organic Phosphorus Insecticides, Tol-

erance of Brahman, 143* Cattle, Toxicologic Effects of Silvex on Yearling, 750*
Cattle, Toxicologic Evaluation of an Insecticide,

Compound 4072, in, 268*

Cattle, Toxoplasmosis-like Disease in, 997 Cattle, USDA Awards Grant to Israel for Research on Dairy, 918

Cattle Uteri, Induced Acute Inflammatory Responses in, 1031

Cattle, Vibriosis in Range, 146*

Cow, Action of Acetazolamide and Hydrochlorothiazide in the, 903

Cow, Diabetes Mellitus in a, 367*

Cow, Surgical Treatment of Traumatic Pericarditis in the, 374*

Cows Approaching Parturition, Surgical Implants in Uteri of, 769
Cows, Estrone for Inducing Estrus in Dairy,

998* Cows, Uterine Mucosa of Vibrio-fetus Infected,

417 Heifer, Ovarian Adenocarcinoma in (CPC),

1132 Heifers, Seroagglutinins of Pregnant, 1032

Rinderpest Virus, Rabbits Infected with Lapinized, 1423

Brain Damage, Penicillin Anaphylaxis May Cause,

Brain, Structure and Development of the Canine,

Bronchitis of Chickens, Indirect Hemagglutination Test for Infectious, 1423

Brucella abortus and Leptospira pomona, Serologic Relationship Between, 142 Brucella abortus in Bulls, 53

BRUCELLA

Agglutinins in Bovine Serum, Postvaccinal. 1423

Titers Due To Vaccine Residues in Syringes (Corresp.), 1196

Tube-Agglutination Titers Resulting from the Use of Syringes Containing Viable Strain 19 Vaccine, 620*

BRUCELLOSIS

Area, Illinois Honored as Modified Certified,

Brucellosis (Edit. Viewpoints), 536 Current Zoonotic Aspects of, 1430

Free Area, Special Ceremony To Honor Maine as, 547

-Free, Rhode Island Honored in Special Ceremony as, 1041

Regulations, Bison Now Included in, 660 with Complement-Fixation Test, Diagnosis of,

Bruising Not Reduced by Tranquilizers, 976

BUDGERIGAR-See AVIAN SPECIES

Buffy Coat Value, and Rectal Temperature of Chickens and Turkeys at Various Ages, Sedi-mentation Rate, Packed Cell Volume, 727*

BULL-See BOVINE SPECIES

Burro—See Equine Species

Calculi in a Guinea Pig, Vesical, 1405*

CALF. CALVES-See BOVINE SPECIES

Camel, Fibromyxoma in a, 1114*

CAMP-like Reaction of Spore-Forming Bacteria, 1424

Cancer in Dogs, Auburn Research Workers Study Worm-Related, 657

CANINE SPECIES

Bitch, Inguinal Hernia in the, 500 Canine Anal Gland Neoplasms, X-Irradiation of

(Corresp.), 352 Canine Brain, Structure and Development of

the, 52 Canine Distemper and Infectious Canine Hepatitis, Inclusion Bodies of, 175

Canine Filariasis in Minnesota, 991* Canine Heart Disease, Diagnostic Aids in, 282

Canine Hip Disorders, Excision Arthroplasty for, 602

Canine Perianal Gland Tumors, 127*

Canine Schistosomiasis, 1119*
Canine Tooth, Dislocation of the Permanent Right Upper (Diagnosis), 641 Collie: A Special Breed, The Shamrock Smooth,

Dog, Achalasia of the Esophagus in the, 722* Dog, Ammonium Chloride as a Urinary Acidi-

fier in the, 864* Dog, An Analysis of the Current Status of Hip Dysplasia in the, 709*

Dog and a Cat, Paragonimiasis in a, 501* Dog and Cat, Aujeszky's Disease in the, 867

Dog, Asteroid Hyalosis in the, 51 Dog, Blastomycosis in a, 535

Dog, Cervical Ganglioneuroma in a, 508* Dog, Chronic Granulating Mass Producing Obstruction of Small Intestine in (Diagnosis),

Dog, Cushing's Syndrome in a, 154 Dog, Development of Cerebral Function in the

(Book), 1150 Dog, Diagnosis and Surgical Repair of Congenital Pulmonary Stenosis in the, 851*

Dog, Diaphragmatic and Abdominal Hernia with Cardiac Complications in a, 38* Dog, Diaphragmatic Hernia Involving the Stom-

ach in (Diagnosis), 1429 Dog, Disease of the Anterior Uvea of the, 986* Dog, Distemper with Demyelinating Meningo-

encephalitis, and Hydrocephalus in (CPC),

Dog, Foreign Body in the Stomach of a, 985* Dog, Gastric Torsion in (Diagnosis), 47

Dog, Hypocalcemic Tetany in the, 1115* Dog, Insulinoma in a, 398

Dog, Intravenous Administration of Amphotericin B in the, 399* Dog, Islet Cell Carcinoma in (CPC), 404

CANINE SPECIES—continued

Dog, Lobectomy Techniques in the (Film), 120 Dog, Malignant Perianal Gland Tumor with Metastasis in a, 389*

Dog, Neoplasm in the Terminal Rectum of (Diagnosis), 911

Dog, Opium Addiction in the, 603* Dog, Pancreatitis in a, 1397* Dog, Pericardial Diaphragmatic Hernia in (Di-

agnosis), 533 Dog, Pneumothorax in (Diagnosis), 287

Dog-Postman War, Veterinarian Helps End, 916 Dog Resembling Oedipus Complex in Man, A Sociosexual Behavioral Abnormality in the,

Dog Semen, Extenders for Freezing, 769 Dog Semen Sperm Concentration, Photoelectric

Procedures for Estimating, 1421 Dog, Significance of Muscle Tone and Posture

in the Neonate, 53 Dog Sperm in Buffered-Yolk Mediums, Survi-

Dog, Subluxation of Patella in (Diagnosis), val of, 768

Testosterone Requirements of the Cas-

trated, 768 The Phenomenon of Alternate Sleep and

Wakefulness in the Young, 605* Thrombocytopenic Purpura in Marrow of

Dog, Thrombo (CPC), 628 Dog, Vestibular Disorder Corrected Surgically

in a, 726 Dog with Spinal Disease, Neurologic Examina-

tion of the (Film), 120

Dogs, Auburn Research Workers Study Worm-

Related Cancer in, 657 Dogs, Blood Levels of Sulfonamides Higher in Newborn Than in Older, 863

Dogs by the Use of a Xylol Pulse Indicator, Indirect Measurement of Systolic Blood Pressure in, 981*

logs, Cheyletiella parasitivorax Parasitism in, 597* Dogs.

Dogs, Effect of Thalidomide in, 512

Dogs, Femoral Prostheses for, 507
Dogs for Medical Research, Connecticut Votes
(Edit. Viewpoints), 775

Dogs in Apartments (Corresp.), 468

Dogs in Southeastern Michigan, Helminth Parasites of, 42*

Dogs, Isolation of ECHO Virus from, 639 Dogs, Nonunion Fractures in, 415

Dog's Skin Problems, Your (Book), 908
Dogs, Survey of Microfilariae in Ohio, 600*
Dogs, Transmissible Venereal Tumor of, 54
Dogs, Use of Bone Grafts To Assist Repair of

Fractures in Small, 252* Greyhounds, Megaesophagus in, 778

(Guide Dog) The Shamrock Smooth Collie: A Special Breed, 57

Pup, Rickets in a (Diagnosis), 1145 Pups by Progestogens, Masculinization of Female, 395*

Seeing Eye Owners Advised To Visit Veterinarians, 429 Shepherd Dogs Trained for Duty in South Viet

Nam Army, German, 1317

CAPRINE SPECIES

Goat, Prolonged Chlorpromazine Administration in the Male, 1422

Goats, Pneumonia and Associated Respiratory Diseases in Sheep and, 531

Carcinoma in Dog, Islet Cell (CPC), 404 Carcinoma of the Hoof of a Horse, Epidermal Laminar, 607*

Cardiac Complications in a Dog. Diaphragma-tic and Abdominal Hernia with, 38* Castrating Horses, On, 637

CAT-See FELINE SPECIES

CATTLE-See BOVINE SPECIES

Cerebral Function in the Dog, Development of (Book), 1150 Cesarean Section on an Aged Mare, 266*

Correspondence: 832 Champignon and Scirrhous Cord, 402

Cheyletiella parasitivorax Parasitism in Dogs, 597*

CHICAGO MEETING

Advisory Committee—AVMA House of Delegates, 1208

Allied Group Conferences and Meetings, 1223 Allied Groups, Programs of, 1225

AVMA Officers, 1963-1964, 1208 Ciné-Clinic Program, 1230

Executive and Legislative Sessions, 1209

Exhibits and Demonstrations, The Scientific, 1252 Exhibits in Chicago, The Professional, 1257

Golf Tournament, Annual AVMA, 1216 Local Arrangements, Committee on, 1214

Placement Service Available at Annual Convention, AVMA, 1221 Plenary Session, Tentative, 1233 Point Credit for Reserve Officers, 1221

Registration Information, 1213 Scientific Program, 1236

Section Officers, 1234 Women's Activities, Message from the Chairman of the Committee on, 1217

CHICK, CHICKEN—See AVIAN SPECIES

Chlorpromazine Administration in the Male Goat, Prolonged, 1422

Chlortetracycline in Calf Feed, Effect of, 619 Chronic Granulating Mass Producing Obstruction of Small Intestine in Dog (Diagnosis), 179 Cisco—A Whole-Body Counter, 768

Clinical Evaluation Studies, Cost of (Corresp.), 582

CLINICO-PATHOLOGIC CONFERENCE

Distemper with Demyelinating Meningoencephalitis, and Hydrocephalus in Dog, 164 eline Systemic Proliferative and Exudative

Vasculitis, 1409

Islet Cell Carcinoma in Dog, 404 Ovarian Adenocarcinoma in Heifer, 1132

Suppurative Pleuropneumonia, Pharyngitis, Laryngitis, Esophagitis, Multiple Renal Infarcts, Massive Hemorrhage and Necrosis of Adrenal Cortex in Horse, 895 Thrombocytopenic Purpura in Marrow of Dog,

Clostridium perfringens Type C, Enterotoxemia in Pigs Due to, 1391*

Co-Authorship, On (Edit. Viewpoints), 1298 Cocal Virus, a New Trinidadian Viral Agent, 904

Coccidia and Gastrointestinal Nematodes in Beef Cattle in Illinois and Their Relation to Shipping Fever, Prevalence of, 741*

Coccidiosis (Book), 1149

Coliform Enteritis in Pigs (Edit. Viewpoints), 286 Coliform Enteritis in Young Pigs, Control of 258

Coliform Mastitis, The Leukocyte Barrier of Experimental, 418

Colitis-X Not Contagious, Research Shows, 661 (College Admissions) Must They Have Rural Backgrounds? (Editorial), 1141

Coming Meetings, 82, 198, 314, 442, 556, 670, 800, 942, 1058, 1170, 1334, 1452

Comparative Medicine, A Lesson in (Editorial),

Complement-Fixation Test, Diagnosis of Brucellosis with, 176

Compound 4072, in Cattle, Toxicologic Evaluation of an Insecticide, 268*

Congenital Cyclopian-Type Malformation in Lambs, 176

Congenital Pulmonary Stenosis in the Dog, Diagnosis and Surgical Repair of, 851*
Cooperia punctata in the Rabbit, Third-Stage Lar-

vae of, 1426

Cornell Horse Field Day Co-sponsored by Veterinary College, First, 1042

CORRESPONDENCE

Appreciation-MID, 1082 Brucella Titers Due To Vaccine Residue in Syringes, 1196 Comparative Medicine, 1082

Cost of Clinical Evaluation Studies, 582 Directory Listings, 228 Dogs in Apartments, 468

Electrical Anesthesia, 350 Humane Care of Animals, 108

Labor Unions for Veterinarians, 108, 348, 702 Leukocytic Inclusion Bodies, 4

Military Pay for Veterinarians, 228 Rejection of Reports to JOURNAL, 1366 Say It Better, 1368

"Silo-Filler's Disease", 352 Superfetation or Twin Pregnancy, 832 X-Irradiation of Canine Anal Gland Neoplasms, 352

Zoonoses and the Health of Man, 968

pseudotuberculosis Corvnebacterium Associated with Rapidly Occurring Equine Abscesses, 152*
Council on Education To Study Internship, 1434
Council on Veterinary Service, Progress Reported on Projects Assigned to, 1315 Courses in Continuing Education, 88, 209, 320, 446, 560, 676, 808 947, 1062, 1174, 1338 1455

Cow-See BOVINE SPECIES

Cryptococcosis, and Pigeons, Amphotericin (Edit. Viewpoints), 1299 Cushing's Syndrome in a Dog, 154

Cystic Thoracic Duct in a Cat, Dyspnea Due to,

Cytopathic Changes in Tissue Cultures, 767

Deaths, 77, 194, 309, 434, 550, 664, 791, 933, 1050, 1164, 1324, 1444

Abnormal Antler Growth Associated with Hypogonadism in, 769

Leptospira pomona in White-Tailed, 772 Medical Bill Goes Before State Legislature, Rambunctious, 1161

Symposium Published, Proceedings on White-Tailed, 193

Demodex canis, Autofluorescence in, 904 (Depilatory) A Chemical Cream for the Presurgical Removal of Hair on Animals, 858* Dermatology, Veterinary and Comparative (Book),

Dermatomycosis Therapy, 1401 Dermatophilus in Cats, Granulomata Caused by,

Diabetes Mellitus in a Cow, 367*

Diagnosis of Hog Cholera: A Tissue-Impression Fluorescent-Antibody Technique, Rapid, 1395* Diagnosis?, What Is Your, 47, 179, 287, 413, 533, 641, 777, 911, 1035, 1145, 1303, 1429

Diaphragmatic and Abdominal Hernia with Cardiac Complications in a Dog, 38* Diaphragmatic Hernia Involving the Stomach in Dog (Diagnosis), 1429

DIARRHEA

in Baby Pigs, Treatment of, 1023 in Newborn Pigs, Erythromycin for the Pro-phylactic Control of Infectious, 1020* in Newborn Pigs, Prophylaxis of, 1294*

Diathesis in Rats, Hemorrhagic, 1300 Dictionary Progresses at MSU, Work on Veterinary, 433 Dimethoate to Sheep, The Relationship of Shelf Age to Toxicity of, 756*

Directory Listings (Corresp.), 228

DISEASE(S)

Reduces Livestock Output 10 Per Cent, 325 Transmitted from Animals to Man (Book), 639 World Cost of Animal (Edit. Viewpoints), 286

Dislocation of the Fermanent Right Upper Canine Tootl. (Diagnosis), 641

Distemper and Infectious Canine Hepatitis, Inclusion Bodies of Canine, 175

Distemper with Demyelinating Meningoencephalitis, and Hydrocephalus in Dog (CPC), 164

Dog-See Canine Species

DRUG(s)

FDA Seeks To Stop Indiscriminate Sale of Potent Veterinary, 96 Labeling Ready Soon, AVMA Council Reports,

Educational Kit on Veterinary, 915

Prescribing and Dispensing Veterinary (AVMA Council on Biological and Therapeutic Agents), 159

Residues in Meat, 388

Residues in Milk, No Tolerances for, 271 Sales. FDA Reports 14 Prosecutions for Illegal, 926

Scientists Report Progress in Use of "Systemic", 1153

Who's Qualified To Evaluate New (Corresp.), 110

Dues for Nonpractitioners?, Lower (Editorial), 1028

Dyspnea Due to Cystic Thoracic Duct in a Cat,

ECHO Virus from Dogs, Isolation of, 639

EDITORIAL VIEWPOINTS

Amphotericin, Cryptococcosis, and Pigeons, 1299 Brucellosis, 536 Career Recruitment Proposed by Pharmacists,

Changing Character of Large Animal Practice,

56 Coliform Enteritis in Pigs, 286

Connecticut Votes Dogs for Medical Research,

Disease Control Discouraged by Fee, 776 Distribution of Research Funds, 286 Escherichia coli Resists Medication, 776

Ethical Code for Scientists? 776 Football Scholarship, 1034

Foreign Trainee Programs Should Emphasize

Applied Medicine, 1299

Forewarned, Forearmed, 56 Freedom of Clinical Investigations, 536 Medical Demands of Cat Owners Should Be

Journals Should Be Read, 775 Language of Scientific Reports, 775

Medical Demands of Cat Owners Should Be Met. 1298

Multiple Authorships Not Increasing in Bio-medical Journals, 1299

A Need Exists, 56 Of What Significance Statistics?, 536

Of Words and Things "Veterinarian", 1034

On Co-Authorship, 1298 On DDT, 1299

Style Guides and Manuals, 286 Tetracycline Deposits in Mineralized Tissue, 1034

Veterinary Education in Developing Countries, 1298

Waste and Duplication, 776

World Cost of Animal Disease, 286

Compulsory Inspection of Veterinary Hospitals,

JOURNAL Has Record Year, 626

A Lesson in Comparative Medicine, 403 Corresp.: 1082

Let's Let MID Alone, 529

Lower Dues for Nonpractitioners?, 1028 Must They Have Rural Backgrounds?, 1141 Professional-Degree Etiquette for Doctors, The Public Expects Emergency Service, 891 The Senator Engle Incident, 162

Signatures and Letter Writing, 765 Veterinary Medical Educational Facilities Con-struction Act of 1964, 281

Educational Opportunities, 88, 202, 318, 444, 558, 674, 806, 1177, 1456

Eimeria brunetti Studies, 638

Eimeria tenella Oocysts, Toxic Substance in, 417 Electrocardiographic Changes in Experimental

Thallium Poisoning, 52 Elephants in Portland Zoo, 659 Emergency Service, The Public Expects (Editorial), 891

Encephalomyelitis in Burros, Venezuelan, Eastern, and Western Equine, 771

Encephalomyelitis Virus, Plaque Size of Western Equine, 1425

Enteritis in Pigs, Coliform (Edit. Viewpoints), 286

Enteritis in Young Pigs, Control of Coliform, 258 Enterotoxemia in Pigs Due to Clostridium per-fringens Type C, 1391*

Enteroviruses, Serologic Studies of Porcine, 1148
Environmental Factors on Temperature and Blood
of Chicks, Effect of Certain, 731*

Enzyme Histochemical Techniques in Hematology, 767

Enzyme Therapy for Posterior Paralysis, 702

EQUINE SPECIES

AAEP Convention, Dec. 8-11, 1963, Abstracts from, 291

African Horse-Sickness (Film), 118

African Horse-Sickness Virus in Monkey Kidney Cell Cultures, 1424

Burro, Superfetation in the, 257* Burros, Venezuelan, Eastern,

and Western Equine Encephalomeyelitis in, 771

Equine Abscesses, Corynebacterium berculosis Associated with Rapidly Occurring,

Equine Encephalomyelitis in Burros, Venezuelan, Eastern, and Western, 771 Equine Encephalomyelitis Virus, Plaque Size of

Western, 1425

Equine Piroplasmosis, Distribution of the Tropical Horse Tick in the United States, with Notes on Associated Cases of, 875*

Equine Practitioners Group Formed in Wisconsin, 544

Equine Practitioners Meet at Lexington, 289 Equine Semen Collection, Use of the Artificial Vagina for, 879*

Equine Spleen on Erythrocyte Concentration, Influence of, 1301 Equine Tarsus: Topographic and Radiographic

Anatomy, The (Book), 640

Foal, Hemophilia in a, 259*

Horse, Auriculopalpebral Nerve Block as an Adjunct to the Diagnosis and Treatment of Ocular Inflammation in the, 1387*
Horse, Epidermal Laminar Carcinoma of the Hoof of a, 607*

Horse, Serum Hepatitis in the, 734* Horse, Stomach Tube Passage in the (Film), 120

Horse, Therapeutic Injection of the Stifle Ligaments in the (Part I) - Median Patellar Desmotomy (Part II) - (Film), 118

Horse Tick in the United States, with Notes on Associated Cases of Equine Piroplasmosis, Distribution of the Tropical, 875*

Horse Tick, Transmission of Babesia caballi in Tropical, 1424 Horsemeat Seizures Emphasize Importance of

Knowing Suppliers, 921 Horses, Liver Rupture in "Serum", 1027

Horses, On Castrating, 637 Mare, Cesarean Section on an Old, 266*

Corresp.: 832 Mare, Surgical Repair of Third-Degree Peri-neal Laceration and Rectovaginal Fistula in

Mare, Unilateral Ovariectomy in a, 1389*
Mares, Abortions Associated with Mycotic Lesions of the Placenta in, 24*

ERYSIPELAS

Arthritis of Swine. I, 417 Arthritis of Swine. II, 770 Arthritis of Swine. III, 770

Erythrocyte Concentration, Influence of Equine Spleen on, 1301

Erythrocytes in Lambs, Osmotic Resistance and Hemoglobin Pattern of, 416

Erythrocytic Stromata, Lipid Extraction, Freezing, and Thawing of, 1031
Erythromycin for the Prophylactic Control of Infectious Diarrhea in Newborn Pigs, 1020* Escherichia coli, Pathogenesis of Porcine Gastroenteritis Associated with, 161

Escherichia coli Resists Medication (Edit. Viewpoints), 776

Esophagus in the Dog, Achalasia of the, 722* Esophagus, Pneumomediastinum, and Rupture of the Esophagus in Calf, Foreign Body in the (Diagnosis), 1035

Estrone for Inducing Estrus in Dairy Cows, 998* Estrus in Dairy Cows, Estrone for Inducing, 998* (Ethics) Ethical Code for Scientists? (Edit. Viewpoints), 776

Etiquette for Doctors, Professional-Degree (Editorial), 50 Euthanasia Preparation, Inexpensive, 1112

EWE-See OVINE SPECIES

(Experimental Animals) Connecticut Votes Dogs for Medical Research (Edit. Viewpoints), 775

Fat Metabolism in Rabbits, 1422

FEED-See also Food

FEED

Additive Compendium, Feedstuffs (Book), 907 Effect of Chlortetracycline in Calf, 619 Terminology Faces Opposition, FDA-Proposed, 648

FELINE SPECIES

Cat, Aujeszky's Disease in the Dog and, 867 Cat, Cryptococcic Meningitis in a, 599

Cat, Double-Sleeved Jonas Splint for Lengthening the Femur of a, 1277*
Cat, Dyspnea Due to Cystic Thoracic Duct in a,

Cat, Generalized Pulmonary Nodularity, Suggestive of Neoplasia, in (Diagnosis), 1303 Cat Leprosy, 1128

Cat, Lungworm in (Diagnosis), 1303 Cat Owners Should Be Met, Medical Demands

of (Edit. Viewpoints), 1298 Cat, Paragonimiasis in a Dog and a, 501* Cat Scratch Disease Among Veterinarians, A Survey of, 1281*

Cats, Exudative Pleurisy in, 990 Cats, Glossitis in, 145

Cats, Gi Granulomata Caused by Dermatophilus Feline Rhinitis, Chronic, 1147

Feline Systemic Proliferative and Exudative Vasculitis (CPC), 1409

Femoral Prostheses for Dogs, 507

12 INDEX

Fibromyxoma in a Camel, 1114* Filariasis in Minnesota, Canine, 991*

African Horse-Sickness, 118 Epidural Anesthesia in the Hog, 118 Large Animal Orthopedics for the Practitioner,

Lobectomy Techniques in the Dog, 120 A Mark of Wholesome Meat, 1471

Neurologic Examination of the Dog with Spinal

Disease, 120 One Bug Is Too Many, 1471

Rabies in Your Community, 118 Stomach Tube Passage in the Horse, 120 Surgical Treatments of Vertebral Fractures, 120 Therapeutic Injection of the Stifle Ligaments in the Horse (Part I) - Median Patellar Desmotomy (Part II), 118

Fistula in the Mare, Surgical Repair of Third-Degree Perineal Laceration and Rectovaginal,

Flukes, Ants Intermediate Hosts for, 878 Fluorescent Antibody Test for Diagnosis of Hog Cholera, 135

FOAL-See EQUINE SPECIES

FOOD-See also FEED

Foon

and Feedstuffs, FAO/WHO Committee Report on Public Health Aspects of the Use of Anti-

and Feedstuffs, The Public Health Aspects of the Use of Antibiotics in (Booklet), 910 Hygienists, Proceedings of the Third Symposium of the World Association of Veterinary (Book), 773

FOOT-AND-MOUTH DISEASE

in Europe Less in 1963, 1316 Vaccine Research, USDA Awards Grant to Turkey for, 1043

Virus, Formaldehyde Inactivation of, 283

Foreign Body in the Stomach of a Dog, 985* Foreign Books, 1033 Formaldehyde Inactivation of Foot-and-Mouth Disease Virus, 283
4-H Veterinary Science Program, "Enthusiasm Everywhere" for Georgia's Unique, 913

Facts, 733

in Dogs, Nonunion, 415 in Small Dogs, Use of Bone Grafts To Assist Repair of, 252* Surgical Treatments of Vertebral (Film), 120

Frog's Retina, Model Made of, 661

Ganglioneuroma in a Dog, Cervical, 508* Gastric Torsion in Dog (Diagnosis), 47 Gastroenteritis Associated with Escherichia coli,

Pathogenesis of Porcine, 161 Geriatrics as Applied to Animals a Topic at Col-

orado Conference, 652 Germfree Life and Gnotobiology (Book), 1302 Glossitis in Cats, 145

Gnotobiology, Germfree Life and (Book), 1302

GOAT-See CAPRINE SPECIES

Gorillas Celebrates Birthday, One of Largest, 71 Grafts To Assist Repair of Fractures in Small Dogs, Use of Bone, 252*

GRANT(S)

Illinois Veterinary College Receives \$96,500, 922 To Encourage Students in Veterinary Research, Purdue Uses, 308 to Israel for Research on Dairy Cattle, USDA

Awards, 918

to Poland and Turkey, USDA Awards Veteri-

nary Research, 658 to Turkey for FMD Vaccine Research, USDA Awards, 1043

Veterinarians Conduct Many Studies Under Morris Foundation, 928

Granulomata Caused by Dermatophilus in Cats,

Grass Tetany (Book), 1032 Grass Tetany in California Cattle, 1406* Group Insurance, California Is 44th Association To Adopt AVMA, 426

GUIDE DOG-See CANINE SPECIES

GUINEA PIG-See LABORATORY ANIMALS

Haemonchus contortus, Phenothiazine-Resistant Strain of, 1421

Hair on Animals, A Chemical Cream for the Pre-

surgical Removal of, 858*
Heart Disease, Diagnostic Aids in Canine, 282 Heart, Venous Return from Interventricular Septum of the, 1423

Heartworms by Ventriculotomy, The Midsternal Approach for Removal of, 237* Heat Inactivation of Hog Cholera Virus, 18

HEIFER-See BOVINE SPECIES

Helminth Parasites of Dogs in Southeastern Michigan, 42*

Hemagglutination Test for Infectious Bronchitis of Chickens, Indirect, 1423

Hematology, Enzyme Histochemical Techniques

Hemoglobinuria, Ecology of Bacillary, 492* Hemophilia in a Foal, 259* Hemophilus, Swine Meningitis Traced to, 1004

Hemorrhagic Diathesis in Rats, 1300 Hepatitis, Direct Phase Microscopic Examination of Bile as an Aid in Diagnosing Avian Vibrionic, 380*

Hepatitis, Inclusion Bodies of Canine Distemper and Infectious Canine, 175 Hereditary Disorders, Veterinarian Has Responsi-

bility for Eliminating, 721 (Hermaphroditism) Masculinization of Female Pups by Progestogens, 395*

HERNIA

3

in Dog, Pericardial Diaphragmatic (Diagnosis), 533

in the Bitch, Inguinal, 500

Involving the Stomach in Dog, Diaphragmatic (Diagnosis), 1429 with Cardiac Complications in a Dog, Diaphrag-

matic and Abdominal, 38*

Herpes Simplex Viruses, Comparison of Laryngotracheitis and, 51

High Mountain Disease, Pulmonary Vascular Pathology of Bovine, 283

Hip Disorders, Excision Arthroplasty for Canine, 602

Hip Dysplasia in the Dog, An Analysis of the Current Status of, 709*

Hog-See Porcine Species

Hoof of a Horse, Epidermal Laminar Carcinoma of the, 607*

Horse-See Equine Species

HOSPITAL(S)

Compulsory Inspection of Veterinary (Edit.),

New Record System at Michigan State, 537 Today, Tomorrow's, 1305

"Hourglass Stomach" in a Calf. 1012

Humane Care of Animals (Corresp.), 108 Hydrocephalus in Dog, Distemper with Demyeli-nating Meningoencephalitis, and (CPC), 164

Hydrochlorothiazide in the Cow, Action of Acetazolamide and, 903

Hydroxycorticosteroids in Calves, Plasma 17-, 638 Hypocalcemic Tetany in the Dog, 1115*

Hypogonadism in Deer, Abnormal Antler Growth Associated with, 769

Iliac Thrombus, Diagnosis and Removal of an 606

Inclusion-Body Rhinitis in Iowa Swine, Incidence of, 33* Indocyanine Green Clearance-A Liver Function

Test, 638

Insect Transmission of Ovine Bluetongue Virus, 51 INSECTICIDE (S)

Compound 4072, in Cattle, Toxicologic Evaluation of an, 268*

for Pregnant Cattle and Nursing Calves, The Safety of an Organic Phosphorus, 1127*
Handbook Issued by USDA, Revised, 1433 Tolerance of Brahman Cattle to Organic Phosphorus, 143*

Inspection of Veterinary Hospitals, Compulsory (Edit.), 1407 Insulinoma in a Dog, 398

Insurance Members in 1964, Trustees Declare Dividends for AVMA Group, 779
(International Congress on Animal Reproduction

and Artificial Insemination) American and Russian Scientists To Speak at World Congress, 68

International Journal Introduced, New, 1321
International Singapore Meeting, U.S. Veterinarians Participate in, 661

Interscience Conference To Meet in New York This Fall, Fourth, 1433 Irradiation, Clinical and Pathologic Aspects of, 844 Irradiation, Some Sequelae of, 974

15

Jonas Splint for Lengthening the Femur of a Cat, Double Sleeved, 1277*

JOURNAL Has Record Year (Editorial), 626 JOURNAL, Rejection of Reports to (Corresp.), 1366

Jowl Abscesses, and Pharyngitis, Streptococcus, Strangles, 1420

Ketosis Treatments Evaluated, 1140

Labeling Ready Soon, AVMA Council Reports, Educational Kit on Veterinary Drug, 915 Labor Unions for Veterinarians? (Corresp.), 108, 348, 702

LABORATORY ANIMALS—See also EXPERIMENTAL ANIMALS

LABORATORY ANIMAL(S)

Care, Federal Legislation and, 513*

Guinea Pig Infections, Leptospira icterohaemorrhagiae in Experimental, 531

Guinea Pig, Reactivation of Rabies Virus in a,

Guinea Pig, Vesical Calculi in a, 1405* Medicine, New Committee Studies Education of

Veterinarians in, 545 Practice and Techniques, Animal Technicians Association Manual of, 908

Rabbit Skulls for Animal Studies, Collection of 1,500,660

Rabbit, Third-Stage Larvae of Cooperia punctata in the, 1426 Rabbits, Fat Metabolism in, 1422

Rabbits Infected with Lapinized Rinderpest Vi-

rus, 1423 Rat Development, Vitamin B12 Deficiency and

Excess in, 283 Rat for Laboratory Research, The Tree, 1293 Rat from Experimentally Induced Rabies, Recovery of a, 1113*

Rats, Hemorrhagic Diathesis in, 1300 Rhesus Monkeys Against Monkeypox, Protection of, 418

Laboratory Instruction, An Artificial Uterus for,

LAMB—See OVINE SPECIES

Large Animal Orthopedics for the Practitioner (Film), 120

Large Animal Practice, Changing Character of (Edit. Viewpoints), 56 Laryngotracheitis and Herpes Simplex Viruses,

Comparison of, 51

California Practitioner Placed on Probation for

3 Years, 648 Court Ruling a Victory for Pet Owner in Housing Project, 302

New Jersey Convicts Two More Illegal Veterinary Operators, 305

Rambunctious Deer's Medical Bill Goes Before State Legislature, 1161

Legislation and Laboratory Animal Care, Federal, 513*

(Legislation) Freedom of Clinical Investigation (Edit. Viewpoints), 536

Leprosy, Cat, 1128 Leptospira hardjo Survey, 769

Leptospira icterohaemorrhagiae in Experimental Guinea Pig Infections, 531

Leptospira pomona in White-Tailed Deer, 772 Leptospira pomona, Serologic Relationship Between Brucella abortus and, 142

eptospiral Serotypes, Identification of, 176 Leptospirosis Due to Serotype hardjo in Cattle,

Letter Writing, Signatures and (Editorial), 765 Leukocyte Barrier of Experimental Coliform Leukocyte Barrier Mastitis, The, 418

Leukocytes, The Eosinophil (Book), 54 Leukocytic Inclusion Bodies (Corresp.), 4 Leukocytosis on Mastitis in Cattle, Effects of Pre-

Existing, 531 Leukokinetic Studies, Bovine, 905

Leukosis Control in Denmark, Bovine, 496 Ligament, Teflon as a Prosthetic, 771 Listeria monocytogenes, Placental Lesions of Sheep Infected with, 1149

Function Test in Sheep, 53 Function Test, Indocyanine Green Clearance, A,

Rupture in "Serum" Horses, 1027

Livestock Diseases as Indicated by Meat Inspec-tion Activities, The Changing Pattern of, 1283* Livestoc. 10 Per Cent, Disease Reduces, 325 Lobectomy Techniques in the Dog (Film), 120 "Lumpy Jaw", Heritability of, 158 Lung Tissue, Microflora of Bovine, 1425 Lungworm in Cat (Diagnosis), 1303

Magpies as Carriers of Ovine Vibrio fetus, 497* Malformation in Lambs, Congenital Cyclopian-Type, 176

MARE—See Equine Species

Masculinization of Female Pups by Progestogens,

MASTITIS

Bacterin-Toxoid Reduces Severity of Bovine,

Committee, A Report of the AVMA, 517 Committee Drafts Articles on Mastitis Problems, AVMA, 63

"Excellent", Committee Says New Booklet on Bovine, 188 Current Concepts of Bovine (Booklet) 420

in Cattle, Effects of Pre-Existing Leukocytosis on, 531

The Leukocyte Barrier of Experimental Coliform, 418 Nocardial, 874

'Screening Procedures" Leaflet Available from PHS, 543

MEAT

Drug Residues in, 388

Import Limitations, Secretary Freeman Issues Statement on, 782

Inspection Activities, The Changing Pattern of Livestock Diseases as Indicated by, 1283*
Inspection Be Kept in ARS, ANCA Urges, 648

Inspection Division Reviews 1963 Activities, USDA, 1160
Inspection, President Johnson Recommends Expanding, 915

Inspection Violation, Tennessee Company Fined in, 1153

A Mark of Wholesome (Film), 1471

Medicine, A Lesson in Comparative (Editorial),

Corresp.: 1082

Megaesophagus in Greyhounds, 778

Melanoma in a Pig, Malignant, 254* Melanomas in Porcine Littermates, Malignant,

Membership) AVMA Gains 1,043 Members (During 1963), Judicial Council Told, 187 (Membership) Membrana Nictitans, Surgical Correction of Unpig-

mented Prominent, 857*

Meningitis in a Cat, Cryptococcic, 599 Meningitis Traced to Hemophilus, Swine, 1004 Meningoecephalitis, and Hydrocephalus in Dog, Distemper with Demyelinating (CPC), 164

Microfilariae in Ohio Dogs, Survey of, 600* MID Alone, Let's Let (Editorial), 529 Military Pay for Veterinarians (Corresp.), 228

Applied to Bulk Herd Supplies, Tests for Abnormal, 1402*

No Tolerances for Drug Residues in, 271 Quality, Milking Management and Its Relationship to (Book), 532

Milking Machine Design Faulty, 749

Milking Management and Its Relationship to Milk Quality (Book), 532

Model Veterinary Practice Act, AVMA Judicial Council Finishes, 917

Moldy Corn Toxicosis in Cattle, 1013*

Protection of Rhesus Monkeys Monkeypox, Against, 418

Morris Foundation Grants, V duct Many Studies Under, 928 Veterinarians Con-

Mosquito Culex pipiens pipiens, Rous Sarcoma Virus in the, 639

Muscle Tone and Posture in the Neonate Dog, Significance of, 53 Mycoplasma Arthritis of Swine, 1394

Mycoplasma gallisepticum, Comparison of Mycoplasma var. mycoides and, 769 Mycoplusma var. mycoides and Mycoplasma gal-

lisepticum, Comparison of, 769 Mycosis, A Bibliography of Avian, 908

Mycotic Lesions of the Placenta in Mares, Abortions Associated with, 24*

Nematodes in Beef Cattle in Illinois and Their

Relation to Shipping Fever, Prevalence of Coccidia and Gastrointestinal, 741*
Nematodiasis in Two Sheep, Spinal, 155*
Neoplasia, in Cat, Generalized Pulmonary Nodularity, Suggestive of (Diagnosis), 1303

Neoplasm in the Terminal Rectum of Dog (Diagnosis), 911

Neoplasms, X-Irradiation of Canine Anal Gland

(Corresp..), 352 (Neurology) Neurologic Examination of the Dog with Spinal Disease (Film), 120 Newcastle Disease, Study of, 904

1964 CONVENTION-SEE CHICAGO MEETING

Nocardial Mastitis, 874

Nomenclature Change for Infection in Chickens, Proposes, 429

Nomenclature, World Group Considers Veterinary Anatomical, 192

Nucleic Acids in Bovine Blood Platelets, 417 Nutrition and Allied Sciences, Progress in (Book),

Nutrition, MIT Offers Veterinarians Graduate Training in, 662

Obstruction of Small Intestine in Dog, Chronic Granulating Mass Producing (Diagnosis), 179 Ocular Inflammation in the Horse, Auriculopalpebral Nerve Block as an Adjunct to the Diagnosis and Treatment of, 1387*

Oedipus Complex in Man, A Sociosexual Behavioral Anormality in the Dog Resembling, 868*

101st Annual Meeting-See Chicago Meeting

Opium Addiction in the Dog, 603* Ornithosis in Ewes, Experimental, 282

Orthopedics for the Practitioner, Large Animal (Film), 120

Osteomyelitis in Calf, Bone Abscess (Diagnosis),

Osteomyelitis Treated Successfully by Curettage,

Ostertagiasis in Sheep, Breed Resistance to, 883* Transmission of Resistance Ostertagiasis, Ovine, 1024*

Ovarian Adenocarcinoma in Heifer (CPC), 1132 Ovariectomy in a Mare, Unilateral, 1389*

OVINE SPECIES

Ewes, Experimental Ornithosis in, 282

Lambs, Congenital Cyclopian-Type Malformation in, 176

Lambs, Osmotic Resistance and Hemoglobin Pattern of Erythrocytes in, 416 ambs, Serum Transaminase

Lambs. in Selenium-Treated and Hysterectomy-Derived, 1426 Ovine Bluetongue Virus, Insect Transmission of,

Ovine Ostertagiasis, Transmission of Resistance to, 1024*

Ovine Vibrio fetus, Magpies as Carriers of, 497* Sheep and Goats, Pneumonia and Associated Respiratory Diseases in, 531

Sheep, Breed Resistance to Ostertagiasis in, 883* Sheep Caused by Psittacosis-Lymphogranuloma Agent, Polyarthritis of, 283

Sheep, Current Status of Bluetongue in, 759* Sheep, Experimental Aujeszky's Disease in, 1422 Sheep, Incidence of Chorioptic Acariasis of,

Sheep, Indirect Transmission of Vibrio fetus Infection in, 1300

Sheep Infected with Listeria monocytogenes, Placental Lesions of, 1149

Sheep, Liver Function Test in, 53 Sheep Scabies Clinics Held in Nebraska for Veterinarians, 76

Sheep Scabies, Iowa and Ohio Join Drive Against, 548

Sheep, Spinal Nematodiasis in Two, 155* Sheep, The Relationship of Shelf Age to Toxicity of Dimethoate to, 756*

Packed Cell Volume, Buffy Coat Value, and Rec-tal Temperature of Chickens and Turkeys at Various Ages, Sedimentation Rate, 727*

Pancreatitis in a Dog, 1397*

Paragonimiasis in a Dog and a Cat, 501* Paralysis, Enzyme Therapy for Posterior, 702 Parasites of Dogs in Southeastern Michigan, Helmirth, 42*

Parasitic Blood Loss, Estimation of, 770

Parasitism in Dogs, Cheyletiella parasitivorax,

Parasitology, Advances in (Book), 177

Parasitology and Immunology for Students of Biology, Veterinary Science, and Medicine, Parasitism: An Introduction to (Book), 285
Parturition, Surgical Implants in Uteri of Cows
Approaching, 769

Patella in Dog, Subluxation of (Diagnosis), 413 Pathologia Veterinaria, New International Journal Introduced, 1321 Pathologists, Ten Veterinarians Qualify as Certi-

fied, 656 Pathology of Domestic Animals. Vol. 2 (Book),

Pathology, Preparation for Research in Veterinary

and Comparative, 1105* Penicillin Anaphylaxis May Cause Brain Damage, 1390

Penile Frenulum in Bulls, Persistent, 747*

Perianal Gland Tumor with Metastasis in a Dog, Malignant, 389*

Perianal Gland Tumors, Canine, 127*

Pericarditis in the Cow, Surgical Treatment of Traumatic, 374*

Perineal Laceration and Rectovaginal Fistula in the Mare, Surgical Repair of Third-Degree,

Peritonitis, Uterine Rupture Causes, 32 Pesticides Regulations Aimed at Protecting Consumers, New USDA, 1047

PET(S

and Pet Foods, Current Data on, 94

Dogs and Cats Still Banned from New York Public Housing Projects, 1314 Owner in Housing Project, Court Ruling a Vic-

tory for, 302

Primates, AAHA Publishes Booklets on Avian Medicine and, 1322

Pharmacists, Career Recruitment Proposed by (Edit. Viewpoints), 56

Pharyngitis, Streptococcus, Strangles, Jowl Abscesses, and, 1420

Phenothiazine-Resistant Strain of Haemonchus contortus, 1421 Phosphorus Insecticide for Pregnant Cattle and

Nursing Calves, The Safety of an Organic, 1127*
Phosphorus Insecticides, Tolerance of Brahman
Cattle to Organic, 143*

Photomicrograph on Veterinary Medicine Exhib-ited in Chicago, 1049

Physiology, Animal (Book), 905 (Physiology) The Phenomenon of Alternate Sleep and Wakefulness in the Young Dog, 605*

PIG-Sec PORCINE SPECIES

Piroplasma caballi and Piroplasma equi, Mixed Strain of, 416

Piroplasma equi, Mixed Strain of Piroplasma caballi and, 416

Piroplasmosis, Distribution of the Tropical Horse Tick in the United States, with Notes on Asso-ciated Cases of Equine, 875*

Placenta in Mares, Abortions Associated with My-

cotic Lesions of the, 24*
Placental Lesions of Sheep Infected with Listeria monocytogenes, 1149

Pleurisy in Cats, Exudative, 990

Pneumomediastinum, and Rupture of the Esophagus in Calf, Foreign Body in the Esophagus (Diagnosis), 1035

Pneumonia and Associated Respiratory Diseases in Sheep and Goats, 531

Pneumothorax in Dog (Diagnosis), 287

Poisoning, Electrocardiographic Changes in Experimental Thallium, 52

Polioencephalomyelitis of Pigs, 53 Polioencephalomyelitis, Porcine, 612*

Polyarthritis of Sheep Caused by Psittacosis-Lymphogranuloma Agent, 283

PORCINE SPECIES

Hog Cholera: A Tissue-Impression Fluorescent-Antibody Technique, Rapid Diagnosis of, 1395* Hog Cholera Eradication, First States Enter Final Phase of, 431

Hog Cholera Eradication Phase by 1965, Iowa To

Be in, 547 Hog Cholera, Fluorescent Antibody Test for Diagnosis of, 135

Iowa Needs "All-Out" Effort To Hog Cholera, Eradicate, 923

Hog Cholera Neutralization Test, Standardization of, 1421 Hog Cholera, USDA Scientists Develop Rapid

Test for, 72 Hog Cholera Virus, Heat Inactivation of, 18 Hog, Epidural Anesthesia in the (Film), 118

Hog Producers Vaccinate Most, Largest, 764 Pig, Malignant Melanoma in a, 254* Pigs, Coliform Enteritis in (Edit. Viewpoints),

286 Pigs, 258 Control of Coliform Enteritis in Young,

Pigs Due to Clostridium perfringens Type C, Enterotoxemia in, 1391*

Pigs, Erythromycin for the Prophylactic Control of Infectious Diarrhea in Newborn, 1020* Pigs, Polioencephalomyelitis of, 53

Pigs, Prophylaxis of Diarrhea in Newborn, 1294* Pigs, Treatment of Diarrhea in Baby, 1023 Porcine Enteroviruses, Serologic Studies of,

Porcine Gastroenteritis Associated with Escherichia coli, Pathogenesis of, 161

Porcine Littermates, Malignant Melanomas in, 1129*

Porcine Polioencephalomyelitis, 612*

Swine Abscess Takes Toll of \$1 Million Monthly, 74

Swine, Artificial Insemination of, 882

Swine, Bordetella bronchiseptica Produces Turbinate Atrophy in, 625

Swine, Erysipelas Arthritis of. I, 417 Swine, Erysipelas Arthritis of. II, 770 Swine, Erysipelas Arthritis of. III, 770

Swine, Incidence of Inclusion-Body Rhinitis in Iowa, 33*

Swine Meningitis Traced to Hemophilus, 1004

Swine, Mycoplasma Arthritis of, 1394 Swine Producers Short Course, Veterinarian Participates in, 1162 Swine Trichinosis, Fecal Transmission of, 418

Postman War, Veterinarian Helps End Dog-, 916

POULTRY-See AVIAN SPECIES

Pregnancy, Superfetation or Twin (Corresp.), 832 Pregnant Cattle and Nursing Calves, The Safety of an Organic Phosphorus Insecticide for, 1127* Pregnant Heifers, Seroagglutinins of, 1032

Professional-Degree Etiquette for Doctors (Editorial), 50

Progestogens, Masculinization of Female Pups by, 395*

Prostheses for Dogs, Femoral, 507 Prosthetic Ligament, Teflon as a, 771

Psittacosis-Lymphogranuloma Agent, Polyarthritis

of Sheep Caused by, 283
Public Information Page, 330, 568, 816, 1070, 1472 Puerto Rico V.M.A. Reports Outstanding Program, U.S. Guest to, 917

Pullorum Disease Realistic?, Is Eradication of, 19* Pulmonary Nodularity, Suggestive of Neoplasia, in Cat, Generalized (Diagnosis), 1303

Pulmonary Stenosis in the Dog, Diagnosis and Surgical Repair of Congenital, 851* Pulmonary Vascular Pathology of Bovine High Mountain Disease, 283

Pulse Indicator, Indirect Measurement of Systolic Blood Pressure in Dogs by the Use of a Xylol,

Pup—See Canine Species

Pustular Vulvovaginitis Virus Infection of Bulls, Infectious, 1148

RABBIT-See LABORATORY ANIMALS

Cases, Increase in Animal, 658 in State, Delaware V.M.A. Acts To Control, 70 in Your Community (Film), 118

Recovery of a Rat from Experimentally Induced, 1113*

Vaccine Following Three and Five Years of Storage, Viability of Low-Egg-Passage, Modified Live-Virus, 387* Vaccines of Chicken Embryo Origin, Evaluation

of, 276* Virus in a Guinea Pig, Reactivation of, 771

(Radiology) New CSU Department First of Kind in U.S. Veterinary College, 1160

RAT-See LABORATORY ANIMALS

Rejection of Reports to JOURNAL (Corresp.), 1366

(Reproduction) A Method for Evaluating the Current Reproductive Status of a Dairy Herd, 994*

RESEARCH

Brochure Explains Need for Animals in Medical, 1314

Connecticut Votes Dogs for Medical (Edit.

Viewpoints), 775 Funds, Distribution of (Edit. Viewpoints), 286 in Progress, Illinois Open House Shows Veterinary, 1159

in Veterinary and Comparative Pathology, Preparation for, 1105*
Needs, USDA Advisory Committee Stresses,

783

Nine Fellowships Announced in Animal Science, 192

Project, ISU Joins Iowa Medical College in Medical, 1319 Scholars Announced, First AVMA, 1436

The Tree Rat for Laboratory, 1293

Respiratory Diseases in Sheep and Goats, Pneumonia and Associated, 531 Respiratory Infection, Bovine, 175

RHESUS MONKEY-See LABORATORY ANIMALS

Rhinitis, Chronic Feline, 1147 Rhinitis in Iowa Swine, Incidence of Inclusion-Body, 33*

RHINOTRACHEITIS

Abortion in California Beef Cattle, Infectious Bovine, 13*

as a Cause of Abortion in Cattle, The Virus of Infectious Bovine, 136* Diagnosed by Lesions in a Calf, Infectious Bo-

vine, 1008* Virus, Abortion Experimentally Induced in Cat-tle by Infectious Bovine, 1005*

Virus, Properties of Infectious Bovine, 283

Rickets in a Pup (Diagnosis), 1145 Rift Valley Fever Is a Menace, 887

RINDERPEST-See BOVINE SPECIES

Rotarians Designate Craft Assembly for Veterinarians, 1314 Rous Sarcoma Virus in the Mosquito Culex pipi-

ens pipiens, 639 Ruminant Health-Nutrition Conference, Commends

Sponsors of, 549

Causes Peritonitis, Uterine, 32

in "Serum" Horses, Liver, 1027 of the Esophagus in Calf, Foreign Body, Pneumomediastinum, and (Diagnosis), 1035

Say It Better-See STYLE

Schistosomiasis, Canine, 1119*

SCHOLARSHIP(S)

Awards, AVMA Council of Research Reviews Applications for Undergraduate, 1040
Eight Veterinary Students Awarded ABS, 71
Given to UP Veterinary Student, First Foley Trust, 1043

1

Program, AVMA Foundation Initiates Undergraduate, 781

Scirrhous Cord, Champignon and, 402 Scrapie Transmitted Through Agent, Scientists Scrapie Transmitted Through Agent, Scientists Report at Seminar, 929 Screwworm Threat During Migratory Season,

Alert Given to, 927

Screwworms, All-Out Effort To Prevent Reinvasion of U.S. by, 660

Sedimentation Rate, Packed Cell Volume, Buffy Coat Value, and Rectal Temperature of Chickens and Turkeys at Various Ages, 727*

SEEING EYE DOG-See CANINE SPECIES

Selenium and Vitamin E Therapy Stops Abortion,

SEMEN

Collection, Use of the Artificial Vagina for Equine, 879*

Extenders for Freezing Dog, 769

Seminal Patterns Following Damage to Bovine Spermatogenic Epithelium, 1398*

Seminal Vesiculitis Syndrome, Bovine, 1300 Sperm Concentration, Photoelectric Procedures for Estimating Dog, 1421

Senator Engle Incident, The (Editorial), 162 Septic Shock, 1408

Seroagglutinins of Pregnant Heifers, 1032 Seroagglutinins, Properties of Nonspecific Bovine,

Serotype hardjo in Cattle, Leptospirosis Due to, 888*

Electrophoretic Analysis of Bovine, 1424 Hepatitis in the Horse, 734*

Postvaccinal Brucella Agglutinins in Bovine, 1423

"Serum" Horses, Liver Rupture in, 1027 Transaminase in Selenium-Treated and Hysterectomy-Derived Lambs, 1426

17-Hydroxycorticosteroids in Calves, Plasma, 638

SHEEP—See OVINE SPECIES

Shipping Fever in Calves, Transmission of, 767 Shipping Fever, Prevalence of Coccidia and Gas-tro-Intestinal Nematodes in Beef Cattle in Illinois and Their Relation to, 741*

Shock, Septic, 1408 "Silo-Filler's Disease" (Corresp.), 352

Silvex on Yearling Cattle, Toxicologic Effects of, 750*

Skin Problems, Your Dog's (Book), 908 Sleep and Wakefulness in the Young Dog, The Phenomenon of Alternate, 605*
Small Animal Anesthesia (Book), 906

Small Animal Practice (Vol. IV), Advances in (Book), 285

Snail Center Is Established in Brazil, 1433 Snake Medicine 275

Sperm in Buffered-Yolk Mediums, Survival of Dog, 768

Spermatogenic Epithelium, Seminal Patterns Following Damage to Bovine, 1398*
Spinal Disease, Neurologic Examination of the

Dog with (Film), 120 Spinal Nematodiasis in Two Sheep, 155*

Spleen on Erythrocyte Concentration, Influence of Equine, 1301

Splint, When To Remove the, 890

Antibiotic Effects of Streptococci Staphylococci, Against, 1031

Staphylococcic Infection in Man and Cattle, 267 State Board Examinations, 77, 194, 309, 434, 550, 663, 790, 932, 1049, 1162, 1323, 1444

1963 Animal Census Available, 188 Of What Significance (Edit. Viewpoints), 536 Survey Shows Chicago Practitioners Treat Many Species, 538

Stenosis in the Dog, Diagnosis and Surgical Repair

of Congenital Pulmonary, 851* Stethoscopes Evaluated, 604

Stifle Ligaments in the Horse, Therapeutic Injection of the (Part I) — Median Patellar Desmotomy (Part II)- (Film), 118

STOMACH

in a Calf, "Hourglass", 1012 of a Dog, Foreign Body in the, 985* Tube Passage in the Horse (Film), 120

Strain 19 Vaccine, Brucella Tube-Agglutination Titers Resulting from the Use of Syringes Containing Viable, 620*

Strangles, Jowl Abscesses, and Pharyngitis, Streptococcus, 1420 Streptococci Against Staphylococci, Antibiotic Ef-

fects of, 1031

Streptococcus, Strangles, Jowl Abscesses, and Pharyngitis, 1420

Guides and Manuals (Edit. Viewpoints), 286 Language of Scientific Reports (Edit. View-points), 775 Say It Better , 530, 627, 766, 894, 1030, 1368 Signatures and Letter Writing (Editorial), 765

Subluxation of Patella in Dog (Diagnosis), 413 Sulfonamides Higher in Newborn Than in Older Dogs, Blood Levels of, 863

Sulfonamides of Serums, Pinding Capabilities of,

Superfetation in the Burro, 257* Superfetation or Twin Pregnancy (Corresp.), 832

SWINE—See PORCINE SPECIES

Symposium on Veterinary Education, Program Announced for First, 1048

Tarsus: Topographic and Radiographic Anatomy, The Equine (Book), 640 Teflon as a Prosthetic Ligament, 771

Temperature and Blood of Chicks, Effect of Certain Environmental Factors on, 731*

Temperature of Chickens and Turkeys at Various Ages, Sedimentation Rate, Packed Cell Volume, Buffy Coat Value, and Rectal, 727* Testosterone Requirements of the Castrated Dog,

768

Grass (Book), 1032 in California Cattle, Grass, 1406* in the Dog, Hypocalcemic, 1115*

Tetracycline Deposits in Mineralized Tissue (Edit. Viewpoints), 1034 Thalidomide in Dogs, Effect of, 512

Thallium Poisoning, Electrocardiographic Changes in Experimental, 52

Thrombocytopenic Purpura in the Marrow of Dog (CPC), 628

Thrombus, Diagnosis and Removal of an Iliac, 606 Thyroid Disease in Budgerigars, 1126

Tick and Insect Spread of Anaplasmosis, USDA Scientists Study, 661 Tissue Cultures, Cytopathic Changes in, 767

Tooth, Dislocation of the Permanent Right Upper

Canine (Diagnosis), 641 Toxicosis in Cattle, Moldy Corn, 1013*

Toxoplasmosis in Iowa Domestic Animals, Serologic Survey of, 272* Toxoplasmosis-like Disease in Cattle, 997

Tranquilizers, Bruising Not Reduced by, 976 Trichinosis, Fecal Transmission of Swine, 418
Tuberculin Hypersensitivity in Cattle, Role of
Heat-Killed Bacteria and Feed Supplements of Animal Origin in Producing, 49

Tuberculosis, New Rules Adopted for Setting Up Areas Free of Bovine, 1320

TUMOR(S)

Canine Perianal Gland, 127* of Dogs, Transmissible Venereal, 54

with Metastasis in a Dog, Malignant Perianal Gland. 389*

Turbinate Atrophy in Swine, Bordetella bronchiseptica Produces, 625

for Classroom Instruction, Veterinary School Takes Lead in Using (Univ. of Calif.), 115° Series, AVMA-Produced Film Spots To P Seen on National, 542 Spot Film, Released, "Pet Gift", AVMA's 4th,

305

Will Utilize Ciba's Unique Eidophor Process, Convention Color, 1313

Urinary Acidifier in the Dog, Ammonium Chloride

as a, 864*
Uteri, Induced Acute Inflammatory Responses in

Cattle, 1031 Uteri of Cows Approaching Parturition, Surgical Implants in, 769

Uterine Mucosa of Vibrio-fetus Infected Cows,

Uterine Rupture Causes Peritonitis, 32

Uterus for Laboratory Instruction, An Artificial, 264*

Uvea of the Dog, Disease of the Anterior, 986*

from the Use of Syringes Containing Viable Strain 19, 620* Brucella

Following Three and Five Years of Storage, Viability of Low-Egg-Passage, Modified LiveVirus Rabies, 387*

of Chicken Embryo Origin, Evaluation of Rabies, 276*

Research, USDA Awards Grant to Turkey for FMD, 1043

Vagina for Equine Semen Collection, Use of the Artificial, 879*

Vasculitis, Feline Systemic Proliferative and Exudative (CPC), 1409
Venipuncture of Small Birds, 870*
Venous Return from Interventricular Septum of

the Heart, 1423 Ventriculotomy, The Midsternal Approach for Re-

moval of Heartworms by, 237* Vesical Calculi in a Guinea Pig, 1405*

Vesicular Stomatitis in a Herd of Dairy Cattle, The Public Health and Economic Effects of, 377*

Vestibular Disorder Corrected Surgically in a Dog, 726

VETERINARIAN(S)

Are Prominent on Poultry Disease Program, 1159

Co-Host Meeting To Improve Export Relations, U.S., 650 Do?, What Does a (Book), 907

Helps End Dog-Postman War, 916 Honored for 30 Years' Practice, Detroit Area, 1047

in Laboratory Animal Medicine, New Committee Studies Education of, 545

International Organization Loses U.S., 921 Labor Unions Represent (Corresp.), 348

Military Pay for (Corresp.), 228 Needed in 1980, Symposium Says, Twice as

Many, 63 -Pharmacist Code Explained to ISU Students, (Illus.), 1043

Responsibilities to Consumers, 478 Serologic Surveys for Selected Zoonoses in Ohio, 381*

Speak at Workshops of 6th Pork Industry Conference, 66

"The Veterinarian" Presented to the AVMA, 542

(Veterinary Career) A Need Exists (Edit. Viewpoints), 56

Veterinary Curriculum Design, A Fresh Approach to. 1093* Veterinary Dictionary Progresses at MSU, Work

on, 433 (Veterinary Education) A Fresh Approach to Vet-

erinary Curriculum Design, 1093* Veterinary Education in Developing Countries (Edit. Viewpoints), 1298 (Veterinary Education) Must They Have Rural

Backgrounds? (Editorial), 1141

Veterinary Education, Program Announced for First Symposium on, 1048
Veterinary Education To Be Held June 18-19 at MSU, Symposium on, 647

Veterinary Food Hygienists, AVMA Council Names Organizing Committee for World Meet-

Veterinary Journal Published, New, 74

Veterinary Medical Educational Facilities Construction Act, Companion Bill Introduced to, 302 Veterinary Medical Educational Facilities Construction Act of 1964 (Editorial), 281

(Veterinary Profession) Coeducation at Texas A&M College of Veterinary Medicine, 195 (Veterinary) Profession, Minnesota V.M.A. Con-

vention Looks to Future of, 189 (Veterinary Profession) Rotarians Designate Craft Assembly for Veterinarians, 1314 Veterinary Profession) The Public Expects (Veterinary Profession) Emergency Service (Editorial), 891

(Veterinary Profession) What Does a Veterinar-ian Do?, 907 Veterinary Radiologists and Educators Hold Second Conference, 66

Veterinary Research Grants to Poland and Turkey, USDA Awards, 658

Veterinary Schools, World Directory of (Book), Veterinary Science, Advances in (Book), 1427

eterinary Services, For Health Emphasizes, 190 Foundation for Animal Veterinary

Veterinary Students, The Incidence of Zoonotic Infections in, 384*

-Infected Cows, Uterine Mucosa of, 417 Infection in Sheep, Indirect Transmission of,

1300 Magpies as Carriers of Ovine, 497*

Vibriosis in Range Cattle, 146* Virology, Perspectives in (Book), 54

VIRUS(ES) Abortion Experimentally Induced in Cattle by Infectious Bovine Rhinotracheitis, 1005* Comparison of Laryngotracheitis and Herpes

Simplex, 51 Contaminating a Stock of Virus Diarrhea Virus,

A, 1425

Diarrhea, Atypical Bovine, 1287*
Diarrhea Virus, A Virus Contaminating a Stock of, 1425

Diarrhea, Virus-Neutralization Test for Bovine, Formaldehyde Inactivation of Foot-and-Mouth

Disease, 283

From Dogs, Isolation of ECHO, 639
Heat Inactivation of Hog Cholera, 18
in a Guinea Pig, Reactivation of Rabies, 771
in Monkey Kidney Cell Cultures, African
Horse-Sickness, 1424

in the Mosquito Culex pipiens pipiens, Rous Sarcoma, 639

Infection of Bulls, Infectious Pustular Vulvovaginitis, 1148 Insect Transmission of Ovine Bluetongue, 51

-Neutralization Test for Bovine Virus Diarrhea, New Trinidadian Viral Agent, Cocal, 904

of Bovine Rhinotracheitis as a Cause of Abortion in Cattle, The, 136*
Plaque Size of Western Equine Encephalomyeli-

tis of, 1425 Properties of Infectious Bovine Rhinotracheitis, 283

Rabbits Infected with Lapinized Rinderpest, 1423 Rabies Vaccine Following Three and Five Years of Storage, Viability of Low-Egg-Passage, Modified Live-, 387*

Vitamin B12 Deficiency and Excess in Rat Development, 283

Vitamin E Therapy Stops Abortion, Selenium and, 1007 Vulvovaginitis in the Western United States, Bo-

vine Infectious Pustular, 615* Vulvovaginitis Virus Infection of Bulls, Infectious Pustular, 1148

Washington News, 6, 112, 230, 354, 470, 584, 704, 836, 970, 1084, 1198, 1370 What Is Your Diagnosis?, 47, 179, 287, 413, 533, 641, 777, 911, 1035, 1145, 1303, 1429

WHAT IS YOUR DIAGNOSIS?

Bone Abscess (Osteomyelitis) in Calf, 777 Chronic Granulating Mass Producing Obstruction of Small Intestine in Dog, 179 Diaphragmatic Hernia Involving the Stomach in

Dog, 1429

Dislocation of the Permanent Right Upper Canine Tooth with Consequent Failure To Erupt, 641

Foreign Body in the Esophagus, Pneumomediastinum, and Rupture of the Esophagus in Calf,

Gastric Torsion in Dog, 47 Generalized Pulmonary Nodularity, Suggestive of Neoplasia, in Cat, 1303 ungworm in Cat, 1303

Medial Subluxation of One Patella, Malalignment of Both Stifle Joints, and Bowing of Femurs; also Defect in Mineralization and Contour of Patella in Dog, 413 Neoplasm in the Terminal Rectum of Dog, 911

Pericardial Diaphragmatic Hernia in Dog, 533 Pneumothorax in Dog, 287 Rickets in a Pup, 1145

Women's Auxiliary, 79, 195, 311, 436, 551, 665, 792, 935, 1052, 1165, 1327, 1445 World Association of Veterinary Food Hygienists,

Proceedings of the Third Symposium of the (Book), 773

XYZ

Xanthomatous Lesions, Lipids in Avian, 176 X-Irradiation of Canine Anal Gland Neoplasms (Corresp.), 352

Xylol Pulse Indicator, Indirect Measurement of

Systolic Blood Pressure in Dogs by the Use of a. 981*

03

Zoning Regulations Permit Animal Clinic in Medical Center, Louisville's New, 1151

ZOONOSES and the Health of Man (Corresp.), 968

Incidence of, 384*

Control of, 730 in Ohio Veterinarians, Serologic Surveys for Se-

lected, 381* Zoonotic Infections in Veterinary Students, The

JOURNAL

of the

American Veterinary Medical Association

Index for Volume 145 Nos. 1-12 July-December, 1964

Published by

AMERICAN VETERINARY MEDICAL ASSOCIATION

600 S. MICHIGAN AVE., CHICAGO, ILL.

Contents Copyright 1964 by American Veterinary Medical Association

Index of Names

Authors

Adams, O. R., 29, 439, 927 Adelstein, E. H., 1189 Albert, T. F., 460, 553 Alexander, J. E., 699 Arnstein, Paul, 921 Asheim, Ake, 447 Austin, Victor H., 241

Bailey, W. S., 573
Benjamin, Maxine, 456
Berger, K. C., 352
Bierer, B. W., 47, 141
Bonertz, H. E., 21
Börnfors, S., 15
Boucher, W. B., 1004
Breen, Harold, 43
Brim, Alice, 466
Brock, W. E., 234
Brodey, R. S., 1213
Bucci, T. J., 1198

Cabrera, Deogracias J., 573
Carlson, R. E., 21
Carroll, E. J., 456
Case, M. T., 345
Chaulk, Lawrence E., 358
Chen, Sally, 661
Christensen, N. R., 903
Chung, P. K., 258
Clark, Carl H., 452
Clark, G. W., 40
Cohen, Daniel, 661
Cohen, Daniel, 661
Cohen, David H., 921
Conner, G. H., 1107
Conner, G. H., 1107
Conroy, J. D., 115
Craig, Peter H., 806
Crawford, R. P., 683
Crowl, Blaine, 672

Damon, R. A., Jr., 40 Davis, Charles L., 991 Davis, Horace H., 692 Deyoe, B. L., 909 Dollahite, J. W., 694 Dorn, C. Richard, 358 Dunlap, Thomas, 672 Dziuk, H. F., 348

Elder, Cecil, 252 Eleazer, T. H., 47, 141 Elliott, G. A., 1004 Emge, Sylvia, 139

Fairchild, David G., 991 Faulkner, L. C., 456 Ferrell, John F., 991 Flickinger, G. L., 363 Foster, Neil M., 1013 Fox, M. W., 1204 Franklin, Ira I., 1229 Freeman, Arthur, 49, 361 Gavin, Charles H., 991, 997 Ginther, O. J., 1011 Gowing, G. M., 987 Griner, L. A., 1013

Hamlin, Robert L., 331 Hanlon, Griselda F., 267 Hansen, R., 139 Hardy, W. T., 694 Harrold, D. R., 564 Helper, L. C., 669 Henson, J. B., 694 Herschler, R. C., 672, 1100 Hoey, A., 243 Holmes, D. D., 234 Hubben, K., 157 Hughes, John P., 32 Hummer, Robert L., 144 Hurov, L., 243

Imhoff, Roy K., 123

Jacobs, N. J., 139 Jacobson, Gerald A., 793 Jaeschke, Walter, 231 Johnson, A. Earl, 1007 Johnson, J. H., 1092 Jortner, B. S., 580 Jones, Dallen H., 576 Judy, John W., 672

Kerr, Kirklyn M., 927 Kiesel, George K., 452 King, Norval W., 997 Knowles, Jack O., 1002 Kowalczyk, T., 352 Kraner, K. L., 1198

LaBelle, J. A., 1107 Lambert, G., 909 Lindqvist, Sten, 661 Lovekin, Louise G., 1081 Lyle, W. E., 577

Mackay-Smith, Matthew P., 248, 806
Mansson, Joel, 661
Marcus, L. C., 1198
Marshak, Robert R., 157
McCrory, B. R., 1013
McGowan, Blaine, Jr., 564
McKercher, D. G., 564
Merritt, A. M., 790
Meyer, Hermann, 1013
Meyer, K. F., 921
Miracle, Connie, 672
Morgan, Joe P., 1095
Muggenburg, B. A., 352
Murray, Ronald, 1177
Myers, D. D., 345

Nytch, Thomas F., 127

Oehme, F. W., 688 Olander, Harvey J., 32 Olsson, Sten-Erik, 381, 475, 587, 821, 1026, 1113 Owens, L. Karolee, 258

Painter, G. M., 909 Pallson, K., 15 Palmer, J. S., 787, 917, 1206 Palmer, J. S., 787, 917, 1206 Patterson, D. F., 363 Pope, A. L., 352 Price D. A., 697 Prier, J. E., 1092 Priester, W. A., 1189

Ramey, D. B., 460, 553 Reid, James S., 1229 Retief, G. P., 912 Reynolds, I. M., 40 Rhode, E. A., 341 Rice, Walter M., 234 Riser, Wayne H., 169, 381, 475, 587, 661, 821, 1026, 1113 Rodabaugh, D. E., 252 Roebuck, D. E., 47, 141 Rogers, R., 139 Rothenbacher, H. J., 132, 558 Ruwitch, J., 21 Ryff, J. F., 43

Sauer, R. M., 1213
Saunders, Edward Campbell, 893
Schalm, O. W., 1177, 1184
Scherr, Merle S., 798
Schiller, A. G., 669
Schmucker, B., 1004
Scholtens, Robert G., 466
Schuerger, R. J., 786
Schwichtenberg, Alan E., 11
Shields, Donald R., 897
Short, C. E., 1104
Simon, Joseph, 231, 345
Skude, G., 15
Small, Erwin, 231, 669
Smetzer, David L., 331
Smibert, R. M., 570
Smith, C. Roger, 331
Smith, R. E., 40
Soifer, Fred K., 464
Soma, Lawrence R., 897
Speck, Ross V., 150
Starch, C. J., 325
Steele, James H., 263
Studdert, M. J., 564
Stunkard, Jim A., 11

Taylor, K. E., 470 Tennille, N. B., 234 Thomas, George M., 43 Tjalma, R. A., 1189 Tobias, Gerald, 462 Tufts, Sharon, 132

Usenik, E. A., 348

Van Farowe, Donald E., 793 Van Kruiningen, H. J., 773 Vander Zwaag, Roger, 1189

Wada, E. M., 564 Wada, Midori, 32 Walker, D. F., 677 Wheat, J. D., 341 Worthington, William E., 692 Wright, H. B., 252

Yoder, J. T., 325

Personals

Allam, Mark W., 1123

Bailey, Wilford S., 182
Baker, Roger W., 1128
Barker, C. A. V., 832
Baum, Martin, 719
Benson, Richard E., 1040
Bild, Charles E., 1234
Black, Henry C., 87
Bloom, Frank, 483
Brandly, C. A., 831, 1240
Briggs, Berkely D., 630
Brown, Myron D., 1145
Brutsman, Forrest E., 751
Bunnell, O. E., 829

Cameron, Hugh, 178
Camp, Bennie J., 713
Carlson, William D., 837
Casselberry, Norwood H., 611
Chalquest, Richard R., 526
Chamberlayne, Earl C., 607
Christensen, George C., 838
Christensen, L. T., 69
Clarkson, M. R., 62, 182, 480, 709, 1123, 1127
Clemmer, Homer R., 716
Cole, Dan J., 487
Connor, Doyle, 944
Cook, James E., 1129
Cook, R. W., 1060
Crawford, Lester M., 634
Crenshaw, George L., 1039
Cunningham, James G., 944

Danielson, Robert, 628 Derrer, R. C., 609 Detweiler, David K., 1130 Dixon, J. T., 715 Dollahite, James W., 713 Dolowy, William, 175 Douglas, Paul R., 705

Eagle, Thomas M., 385 Easterbrooks, H. Lincoln, 742 Ellis, Edwin M., 713

Fish, Richard W., 634 Fitzgerald, James E., 412 Fitzgerald, T. C., 1131 Flowers, Herschel H., 388 Foster, Robert J., 176 Freier, George G., 833 Furgeson, H. E., 936 Gaafar, Sayed M., 393 Gabriel, Karl L., 395 Gibson, John P., 1058 Gochenour, William S., 710 Gorman, Harry A., 1234 Graves, John, 1128 Gray, A. P., 720 Greene, James E., 481 Grey, Ross M., 1036 Grogan, Earl W., 392 Groth, A. H., 1040 Groth, Aaron H., Jr., 1239

Hackett, Kevin, 724 Hahn, Allen W., 395 Haight, Robert H., 281 Hall, F. A., 940 Hall, James E., 519 Harlow, M. Donald, 1039 Heemstra, L. C., 1235 Hemphill, Frazier E., 1038 Hendee, C. L., 180 Hines, Martin P., 941 Holloway, H. K., 388 Horwitz, Abraham, 63 Hughes, George M., 723 Hughes, Walter F., 611

Innes, J. R. M., 718 Irving, George W., 173

Jensen, Rue, 714 Jones, E. C., 412

Kadic, William J., 413 Kearley, Edward O., 751 Kearns, F. M., 1125 King, Gene P., 826 King, Nelson B., 281 Kingman, Harry E., 1232 Kirkpatrick, Robert J., 1060 Kitchell, Ralph L., 837 Konnerup, Nels M., 830 Kosht, Duane L., 711 Kramer, Paul H., 1039 Kraner, Keith L., 283 Kreier, Julius P., 837 Kuttler, Kenneth L., 171

Lasher, Hiram N., 1259 Leasure, E. E., 394

Maddy, Keith T., 393 Martin, James E., 723 Maurer, Fred D., 279 McAuliff, J. L., 607 McDonald, Leslie E., 70 McGowan, Blaine, Jr., 605 Mello, Richard M., 723 Mercer, J. T., 281 Meyer, Karl Friedrich, 482, 718
Miller, Frederick W., 943
Miner, Charles, 608
Morgan, Joe P., 833
Morris, Mark L., Jr., 88
Morrissette, Maurice C., 717
Mosely, John D., 607
Mosier, J. E., 181
Mulhern, Francis J., 282
Murphy, Edward A., 1129

Oberst, Fayne H., 719 Oehme, Frederick W., 832 O'Harra, John L., 392, 480 Orton, Clifford T., 1267 Ott, Richard L., 483

Pals, C. H., 1235 Panisset, Maurice, 835 Parker, Richard L., 180 Parshall, Charles J., 179 Pazaruski, James, 708 Pearson, Phillip T., 719 Phillips, D. B., 1120 Phillipson, David A., 957 Pieper, Niel W., 484 Plank, Tom M., 174

Reardon, Michael J., 1243 Resseguie, Roy A., 181 Robinson, Virgil B., 412 Rodgers, L. D., 942 Rude, Theodore A., 634 Ruiz Martinez, Carlos, 827

Sanders, La Vanus, 942 Schalm, Oscar W., 483 Schalm, Oscar W., 483 Schroeder, Edward C., 1040 Scott, James R., 705 Sheehy, Robert W., 831 Shook, John C., 177 Shuler, James M., 829 Smith, Kenneth W., 1032 Snider, Charles H., 484 Spangler, Don H., 479, 481 Squire, Robert A., 827 Stauffer, Vyrle D., 385 Stevens, H. A., 1119

Taylor, Rebecca B., 1060 Thompson, Roger B., 723 Truex, Raymond C., 486 Trum, Bernard F., 1035 Tucker, Walter E., 630 Turk, Richard D., 279

- Underbjerg, G. K. L., 826
- Van Ness, Glenn B., 1238 Vardaman, Thomas H., 609
- Waddell, William F., 180
- Warner, Richard G., 608 White, Jesse R., 88 Williams, John 721 Williams, William P., 526 Williamson, Stanton, 69 Willie, Roy E., 834
- Willroth, Thomas A., 7/ Winn, John F., 178 Wise, Michael, 1239
- Zacherle, George, H., Jr., 180 Zeissig, Alexander, 88

Deaths

- Ahern, Thomas J., 1132 Angell, A. B., 727
- Bach, Glenn R., 838
 Baird, Paul R., 1244
 Balton, Monroe R., 1041
 Barry, J. W., Jr., 945
 Bennett, Dwight H., 838
 Bjornson, Christian B., 612
 Brawner, Herbert L., 727
 Brewster, Martin O., 396
 Brockett, Fred J., 396
- Calph, Edward J., 612 Cameron, Alne E., 945 Chappell, Robert F., 284 Chedester, O. D., 396 Cilley, G. Carroll, Sr., 946 Codd, R. M., 396 Coleman, James H., 396 Consaul, Fred F., 70 Crall, William W., 396
- Dair, Martin J., 839 Davis, Frank H., 396 Denman, W. A., 946 De Tienne, Thais, 725 Dickman, Andrew J., 396 Dooling, Maurice J., 284 Driver, Fred C., 725
- Farley, Edwin P., 396 Faulhaber, Louis J., 946 Fischer, Fred F., 184 Fitch, James A., 284 Flaherty, George F., 727 Flanigan, Joseph L., 726 Forsell, C. E. Gerhard, 507
- Garrett, Francis O., Jr., 946 Gillespie, Andrew, 946 Grayev, A. Theodore, 184 Green, Robert D., 612

- Halver, Dale L., 285 Hammond, R. E., 1244 Hartwich, Homer A., 727 Hedeman, Lincoln P., 1244 Herron, James M., 1132 Heth, Chester M., 726 Hixson, Floyd H., 397 Hjort, Carl, 396 Hoover, Clarence D., 613 Hopkins, L. T., 839 Hussey, Frank J., 1244
- Jackson, Joseph C., 397 James, Floyd T., 727 Jaquette, Daniel S., 1132
- Karstendiek, E. F., 1132 Killian, Gilbert R., 726 Kornetzky, Herman, 1132 Krift, Fred A., 285
- Lauraine, Loye James, 70 Laviers, William N., 727 Leatherman, I. F., 1132 LeDune, Emmett K., 839 Leenerts, George H., 507 Lewis, Charles H., 613
- Mack, James F., 507
 MacKenzie, Eugene R., 397
 MacMaster, Donald A., 1244
 Madden, A. G., 946
 Madell, Walter J., 946
 Mangan, Grover C., 1041
 Marcus, Carlton P., Jr., 826
 Matyas, John, 1041
 McCauley, David W., 613
 McGrath, W. C., 726
 Meyer, L. P., 839
 Mills, Roderick A., 727
 Mitchell, F. S., 947
 Moore, J. Herbert, 613
 Moyer, Jesse B., 70
 Muskus, Claudio E., 1132

- Neff, Noble W., 1132 Newman, William S., 613 Nicaise, Placide D., 947
- Olsson-Seffer, Ragnar M., 727 Overbaugh, Alonzo N., 1133
- Paclik, Charlie J., 71 Pease, William Walter, 71 Priestley, D. C., 613 Pritchett, Lamar F., 726
- Quist, David G., 839
- Ramsey, Mott, 1244
 Rau, Benjamin, 71
 Redman, William B., 726
 Reid, Joseph J., 726
 Richey, A. N., 947
 Ricker, Harry G., 1133
 Riede, Peter H., 727
 Roquet, Herbert C., 71
 Rostetter, Benjamin F., 727
 Russo, Edwin F., 613
- Schichtl, George S., 947 Schoeck, John G., 726 Seaman, Arthur M., 613 Seipel, John R., 508 Shannon, William H., 726 Shillinger, Jacob E., 397 Spencer, Clyde G., 839 Stewart, George R., 613 Stockler, Bernard J., 1041 Sundberg, A. L., 1133
- Tableman, Harvey G., 184 Taylor, Clark A., 613 Tirado, Cesar Louis, 726
- Wigley, Virgil R., 1041 Wilmoth, Robert L., 613
- Zepp, Clarence P., 1042 Zinkman, George M., 613

Index of Subjects

Entries marked with an asterisk(*) refer to original papers.

A

AAAP's First Award, 611

ABOMASAL DISPLACEMENT
Associated with Ingestion of Gasoline, 460*
Auscultative Diagnosis of, 347
in Cattle, Right-Sided, 553*

Abortion of Ewes from California and Oregon Sheep, Isolation of the Virus of Enzootic, 564* Abortion Virus, Purification of Ovine, 472

ABSCESS(ES)
Committee To Develop Research Program,
Swine, 829
Economics of Swine, 154

Introduced by Throat Infection, Swine Jowl, 455

Achondroplasia of Dog, Gaseous Distention of the Small Intestine and (Diagnosis), 1026

Acids in Ovine Rumen Changed from Hay to Hay-Plus-Grain Diet, Glucose and, 53 Actinobacillus seminis Isolation from Ovine Epididymitis, 53

ididymitis, 53 Actinomycosis-like Lesion of the Small Intestine, Probably the Ileum, of a Dog (Diagnosis), 587 Adenocarcinoma and Melanoma Cell Lines, Ca-

Adenocarcinoma and Melanoma Cell Lines, Canine Thyroid, 1023

Adrenal Atrophy in Bull Johne's Disease Nephri-

Adrenal Atrophy in Bull, Johne's Disease, Nephritis, and (CPC), 157

Advertising, Criteria for, 1150
(Advertising) Telephone Directory Listings (Editorial), 818

torial), 818 Advisory Food and Drug Council, Veterinarian (Kingman, H. E.) Appointed to, 1232

Affiliate Members Elected, Three, 486 Agglutination Tests in an Anaplasmosis-Infected Herd of Cattle, Complement-Fixation and Capillary-, 258* Corresp.: 880

Allergy in Animals, Principles and Management of, 798*

Altitude, Erythrocytes of Sheep Acclimatized to High, 701 AMA Continues To Grow 1060

AMA Continues To Grow, 1060
American Journal of Veterinary Research Publishes Its Largest Issue, 606

Amputation of the Tails of Cats and Dogs in the Sacrococcygeal Region, 464* Anal Glands To Aid Surgical Removal, A Method

for Packing, 241*

Anamnestic-like Reaction Elicited by Tuberculin,

Anaplasma marginale Antigen, Agglutinating, 1224
Anaplasmosis-Infected Herd of Cattle, Complement-Fixation and Capillary-Agglutination
Tests in an, 258*

Corresp.: 880

Anaplasmosis Under Wyoming Conditions, Control of, 43*

Anatomy of the Sheep (Book), 1227

ANEMIA

in Adult Sheep, Iron-Dextran and Vitamin B Complex for the Treatment of, 452* Corresp.: 766 in Baby Pigs, Prevention of, 52

Transmitted in Utero, Feline Infectious, 269

ANESTHESIA

Anesthetic, Succinylcholine Not an (Corresp.), 766

Cerebral Blood Flow in the Anesthetized Goat, 1225

Clinical Observations of the Preanesthetic Use of Oxymorphone and Its Antagonist, N-allylnoroxymorphone, in Dogs, 127* in Boars, Intratesticular, 446

in Cats, Carbon Dioxide, 1023

in Cats, the Case Against Intrathoracic (Editorial), 697

Local, Animal (Book), 1227

Studies in Dogs Anesthetized with Electric Current, 266

Aneurysm in a Horse, Epistaxis Due to Rupture of an, 1004*

ANIMAL

Admissions in Two California Counties, A Survey of Practice Characteristics and, 358* By-Products, Processing and Utilization of (Book), 1228

Care Panel Draws 1,367 to New York Meeting, 1035

Identification, LCI Sponsors Workshop on, 838

Antibiotic Residues Destroyed Before Consumption, Most, 360

Antibiotic Residues Only a Potential Danger, 432 Antibody Production in Baby Pigs, 52 Applications, 87, 196, 303, 742, 857, 957, 1058, 1151, 1258

Army Awards for Achievements, Veterinarians Receive, 723

Arteriosclerosis in a Horse, Coronary, 132*
Arthritis of Dog, Dr. Morgan To Do Research in Sweden on, 833

Artificial Insemination Report, 314

Artificial Vagina for Equine Semen Collection (Corresp.), 222 Ascaridia galli and the Host Chicken, Distribution

of Carbon-14 in, 823

Ascites in Chickens, Hydropericardium and, 1115

Aspirin Stimulates Egg Production, 1012 Atrophic Rhinitis, Therapy of, 572

AVIAN SPECIES

Canary Pox, 1197

Chicken, Distribution of Carbon-14 in Ascaridia galli and the Host, 823 Chickens and Turkeys, Erythrocyte Sedimenta-

Chickens and Turkeys, Erythrocyte Sedimentation Rates and Packed Erythrocyte Volumes of Blood from, 47* Chickens, Hydropericardium and Ascites in,

Chickens, Traces of Lead in Liver and Feces of, 380 Chickens with Malformed Feet and Legs,

Changes in Muscles of, 266 Pigeons, Cryptococcosis Not Carried by, 557 Pigeons with Chlortetracycline in Feed, Medica-

tion of, 921* Poultry Diseases, Progress in Developing Test for, 836

Poultry, Hematologic Findings Associated with Some Common Diseases of, 141*

Poultry Program, Maine Reports Gains in Disease-Free, 944

Turkey Disease Scores Gains in Minnesota, Project on, 1239

Turkeys, Experimentally Induced Mycoplasmosis of Adult, 265

Turkeys, Transmission of Ornithosis from Sheep to, 1024

AVMA

Awards, Three Auburn Students Conduct Research with, 716

Convention, Congeneric Groups Hold Annual Meetings at, 591 Convention Guests Represent 16 Countries, 496

Convention Story, Preview of, 383

Council Members Elected by House of Delegates, Twelve, 485

Economic Advisory Panel Holds First Meeting,

Executive Board Elects Two Members, 385 Film Library, Addition to the, 546 Filmstrip To Be Released This Month, New,

Foundation Fellowships, 1151

Golf Trophy, Illinois Team Wins, 496 Headquarters Office, Conventioners Tour New, 497

Helps USDA Veterinarians (Edit. Viewpoints), 478

Launches Economics Program, 174

Liaison Appointments, 486 New Offices for, 57

1964 Top Award Winners Announced, 482 101st Annual Meeting, High Registration Marks, 491

101st Annual Meeting, Large Attendance Expected at, 173

102nd Annual Meeting, Section Officers Start Program Plans for, 937

Representative Reports on NAS Council Meeting, 824

Research Fund Receives \$9,000 Gra for Symposium, 63 Research Scholarships in 1965, Council on Re-

search Urges Continuation of, 1033 Science Youth Winner (Cole, Dan J.), 487

AWARD(S)
Five OSU Graduates Receive Distinguished Alumnus, 179 for Achievements, Veterinarians Receive Army, 723

Three Auburn Students Conduct Research with AVMA, 716

AAAP Award (Hughes, Walter F.), 611

Air Force Commendation Medal (Cook, J. E.), 1129

Air Force Commendation Medal (Miller, F. W.), 943

American College of Veterinary Toxicologists, First Honorary Fellowship (Camp, Bennie J.), 713

Animal Agriculture Award (Clarkson, M. R.), 1123

Army Commendation Medal (Benson, R. E.), 1040

Army Commendation Medal (Hughes, George M.), 723

Army Commendation Medal (Kraner, K. L.), 283 Association of the U.S. Army Award (Martin,

J. E.), 723 Auxiliary Award Winners Are Distinguished

Students, 185 AVMA Award (Pieper, Niel W.), 484

AVMA Certificate of Scholastic Achievement (Grogan, E. W.), 392

Borden Award (Schalm, Oscar W.), 483 Carlo del Bo Prize (Barker, C. A. V.), 832 Certificate of Achievement Award (Mello, R. M. and Thompson, R. B.), 723
Certificate of Merit (Murphy, E. A.), 1129

Crumbine Award (Haight, Robert H.), 281 Dalrymple-Champneys Cup and Medal (Innes, J. R.), 718

Distinguished Service Award (Mulhern, F. J.),

Gaines Award (Ott, Richard L.), 483 Gold-Headed Cane (Meyer, Karl F.), 718 Honorary Associateship in Royal College of Veterinary Surgeons, London (Brandly, C. A.), 831

Kansas State University's Distinguished Service Award (Casselberry, N. H.), 611 Layman of the Year Award (Connor, Doyle),

Legion of Merit (Mosely, John D.), 607 Legion of Merit (Resseguie, Roy A.), 181 Michigan V. M. A. Service Award (Kosht, D.

L.), 711 Order of the Golden Fleece (Clarkson, M. R.), 709 Outstanding Veterinarian of Kentucky (Kearns,

F. M.), 1125 Outstanding Young Man in America (Hemphill, F. E.), 1038

Practitioner Research Award (Bloom, Frank), 483

Public Health Service Commissioned Officers Commendation Medal (Winn, John F.), 178 Saint-Eloi Medal (Panisset, M.), 835 A&M Faculty Achievement Texas

(Turk, R. D.), 279 XIIth International Veterinary Congress Prize (Meyer, Karl Friedrich), 482

U.S. Army Medal (Reardon, Michael J.), 1243

Bacterial Shock Therapy, 122

Batyl Alcohol for Bracken Poisoning Questioned, 1019

BEAGLE-SEE CANINE SPECIES

BEEF-SEE BOVINE SPECIES

Bioinstrumentation Studies, CSU Veterinarian Leads, 1234

BLOOD

-Air Barrier in Bovine Lungs, 380

Cell Antigen, Canine Red, 590

Films with New Methylene Blue, A Simple and Rapid Method for Staining, 1184*

Flow in the Anesthetized Goat, Cerebral, 1225 for Rabies Treatment, Veterinarians Asked To Donate, 280

from Chickens and Turkeys, Erythrocyte Sedimentation Rates and Packed Erythrocyte Volumes of, 47*

Leukocyte Numbers by Means of a DNA Viscosity Test, Estimation of, 1177

Levels in Cattle, Sulfonamide, 1222
—Serum Albumin in "Mastitic" Milk, Presence of, 265

Bluetongue Associated with Abnormalities in Newborn Lambs, 1013*

BLOOD—see also ERYTHROCYTE

BOAR-SEE PORCINE SPECIES

Body Temperature and the Estrous Cycle in Swine, 379

BOOKS

Accumulative Veterinary Index, 474

Advances in Immunology, Vol. III, 1116 Anatomy of the Sheep, 1227 Animal Anesthesia — Local, 1227

Animal Genetics, 473 Bacteria and Fungi Pathogenic to Man and An-

imals, 931 Diseases of Swine, 1025

Epizootiology of Cancer in Animals, 1226 The Farm Veterinarian, 1116

A Guide to Canine Radiography, 931 Osmotic and Ionic Regulation in Animals, 930 Poisonous Plants of the United States and Can-

ada, 703 Principles of Veterinary Radiography, Processing and Utilization of Animal By-Prod-

ucts, 1228 Science Citation Index, 702 The Septum of the Cat, 168

Some Technics and Procedures in Small Animal Surgery, 1117

A Stereotactic Atlas of the Brain Stem of the Cat. 1228

Studies on he Electrocardiogram of the Race Horse, 55

Surgery of the Biliary Tract, Pancreas, and Spleen, 1024

Veterinarians and Their Patients, 167 Veterinary Preventive Medicine, 930 Viruses of Vertebrates, 1117

Books Received but Not Reviewed, 55, 168, 474 Botulism in 1963, 1074

Bovine Species
Beef Markets in Europe, Export Promotion Project To Seek, 68

Bovine Hepatitis Associated with Ruminal Protozoa, 558*

Bovine Leukemia, Hemolymph Node Involvement in, 1107

Bovine Leukosis in Denmark, Epizootiologic Studies on, 477

Bovine Lungs, Blood-Air Barrier in, 380

Bovine Lymphosarcoma, 1006 Bovine Parainfluenza-3 Vaccine, Vaccination of Beef Calves with, 378

Bovine Penis, Deviations of the, 677*

Bovine Placenta, Oxygen Uptake by Maturing,

Bovine Pneumonias Predominantly Proliferative, 563

Bovine Rhinotracheitis and Bovine Viral Diarrhea Antibodies, Serologic Survey for Infectious, 40*

Bovine Rhinotracheitis, Keratoconjunctivitis As-

sociated with Infectious, 32* Bovine Rhinotrachettis, Susceptibility of Mule Deer to Infectious, 51

Bovine Serum, Evaluation of a Plate Test for the Detection of Leptospiral Antibodies in,

ovine Tuberculosis by Complement-Fixation Test, Detection of, 379 Bovine

Bovine Vibriosis, Stimulation of Resistance to, 166

Bull, Johne's Disease, Nephritis, and Adrenal Atrophy in, (CPC), 157

Bulls, Effect of Coumaphos on, 456* Bulls, Incidence and Diagnosis of Trichomoniasis in Western Beef, 1007*

Bulls, Postvaccinal Persistence of Brucella abortus Strain 19 in Two, 909*

Bulls, Similar Loin Muscle Lesions in a Set of

Monozygous Twin, 1011*
Calf Heifers, Streptococcus agalactiae in Colostrum of First, 1223

Calf Syndrome, Crooked, 461

Calves Grow Faster Without Hay, Young, 1230 Calves-in-Cartons Shipped to Italy, 837

Cattle, Clinical Signs of Rabies in, 264 Cattle, Complement-Fixation and Capillary-Agglutination Tests in an Anaplasmosis-Infected Herd of, 258* Corresp.: 880

Cattle, Gonadotropin- Induced Multiple Pregnancy in Beef, 929

Cattle, Nitrate Intoxication in, 1226 Cattle, Oximes for Treatment of Coumaphos Poisoning in, 1206*

Cattle, Right-Sided Abomasal Displacement in, 553*

Cattle, Sulfonamide Blood Levels in, 1222 Cow, Fracture of Third Phalanx on Lateral Digit in (Diagnosis), 927

Cow, Hydrops Allantois Associated with Twin Pregnancy and Uterine Rupture in a, 688* Cow, Intestinal Intussusception in a, 348*

Cow, Preterminal Gestation Cesarean Sections in the, 1224

Cows, Biological Half-Life of Molybdenum-99

Cows, Reproductive Patterns of Vibrio-fetus-Exposed, 1115

Parasites in, 394

Heifer, Esophageal Stricture in (Diagnosis),

Heifers, Vibrio fetus Infection and Reinfection in, 53

Rinderpest in Africa, Dr. Konnerup Heads Team Studying, 830 Steers and Rotational Grazing Studied, Internal

Bracken Poisoning Questioned, Batyl Alcohol for,

Brain Stem of the Cat, A Stereotactic Atlas of the (Book), 1228

(Brain) The Septum of the Cat, 168
Brucella abortus Strain 19 in Two Bulls, Post-

vaccinal Persistence of, 909* Brucella Organisms, Epizootiology of Brucellosis

and Identification of, 51

BRUCELLOSIS

and Identification of Brucella Organisms, Epizootiology of, 51

Area, Montana Qualifies as Modified Certified,

Continues Decline, Incidence of Human, 1111 Utah First Western State To Eradicate, 609

BULL-See BOVINE SPECIES

BURRO-See EQUINE SPECIES

Cancer in Animals, Epizootiology of (Book), 1226

CANINE SPECIES

Beagle, Carcinoma of the Thryoid in a, 823 Canine Demodicosis, Effect of Hypothryoidism

Canine Distemper Virus Adapted to Hamsters, Strain of Egg-Adapted, 1115

Canine Electroencephalograms, Technique for Obtaining, 590

Canine Electroencephalograms with Electrocorticograms, Comparison of, 165 Canine Intervertebral Disc

Syndrome with Chymopapain, Treatment of the, 893* Canine Radiography, A Guide to (Book), 931 Canine Red Blood Cell Antigen, 590

Canine Spirocercosis, DNP Effective Against,

Canine Thyroid Adenocarcinoma and Melanoma

Cell Lines, 1023 Canine Transmissible Venereal Tumor, Malignancy in a, 1092*

Canine Urolithiasis, 28 Canine Whipworm Infection in Man, 1183

Dingo Blood Improves Famous Cattle Dog, 933 Dog, Actinomycosis-like Lesion of the Small Intestine, Probably the Ileum, of a (Diagnoisis),

Dog and Cat Fundus with the Noyori Camera, Photography of, 380

Dog, Bilateral Hermaphroditism in a, 997* Dog, Diabetes Insipidus Attributed to Visceral Larva Migrans in a, 996

Dog, Direct Lymphangiography in the, 166 Dog, Enlarged Heart and Dilated Pulmonary Artery in (Diagnosis), 475 Corresp.: 766

Dog Food TV Advertising Has Big Increase, 868

Dog, Fracture of the Scapula in (Diagnosis),

Dog, Gaseous Distention of the Small Intestine and Achondroplasia of (Diagnosis), 1026 Dog, Granulomatous Folliculitis of Mycotic Origin in (CPC), 580

Dog Hero of 1964 Is Stout-Hearted Collie, Ken-L, 1161

Dog, Hiatus Hernia in a, 1203 Dog, Hodgkin's Disease in a, 231*

Dog, Idiopathic Thrombocytopenic Purpura in the, 9874

Influence of Early Rapid Growth and Weight Gain on Hip Dysplasia in the German Shepherd, 661*

Dog, Interventricular Septal Defect (Roger's Disease) in the, 331*

Dog, Management of Congestive Heart Failure in the Aged, 377 Dog, Multiple Neoplasia in a, 991*

Myelosarcoma (Plasma-Cell Type) in a, 234*

Dog, Pancreatic Islet Cell Tumor in a, 1198* Dog Paralysis at Cornell, Study Coon, 68 Dog Pictures for the Gaines Collection, Seek, 957

Dog. Polyarthrodysplasia (Congenital Joint Luxation) in the, 1204*

Dog, Rhabditic Dermatitis in the, 25* Correction: 257

Dog, Scapular Tuberosity and Shoulder Dysplasia in (Diagnosis), 267

Dog, Separation of Tendon of Gastrocnemius Muscle from Tendon in (Diagnosis), 1229 Dog, Subaortic Stenosis in (CPC), 363 Dog, Surgical Removal of a Cyst Involving the

Mandibular Salivary Gland of a, 11* Dog, Syndactylism in (Diagnosis), 169 Dog, Treatment of Tracheal Collapse in the,

669* Dog, Transitional Cell Papilloma in Urinary

Bladder of (Diagnosis), 381 Dog, Traumatic Rupture of the Lung in (CPC), 1213

Dogs and Cats, Clinical Aspects of Pancreatic Diseases of, 21*

Dogs Anesthetized with Electric Current, Studies in, 266 Dogs by Laryngofissure and Dissection of the

Thryoarytenoid Folds, Devocalization of, 325* Dogs, Clinical Observations on the Preanesthetic Use of Oxymorphone and Its Antagonist, N-

allyl-noroxymorphone, in, 127*
Dogs, Discography in, 240
Dogs' Ears, Don't Pull (Editorial), 362

Experimentally Induced Hypothyroidism Dogs, in. 823 Dogs, Hereditary Aspects of Hip Dysplasia in

German Shepherd, 15* Dogs in the Sacrococcygeal Region, Amputation

of the Tails of Cats and, 464* Dogs, Pilot Project at KSU To Test Taste Perception of, 833

Dogs, Primary Glaucoma in, 1081*

Dogs, Sodium Fluoroacetate Poisoning in, 1001

Dogs, Staphylococci in, 1225

Dogs, U.S. Army Commends Man Who "Went to the Dogs," 413

Dogs with Infectious Canine Hepatitis, Studies of. 701 Greyhound, Dropped Muscle in the, 330

CANARY-See AVIAN SPECIES

CAPRINE SPECIES

Goat, Cerebral Blood Flow in the Anesthetized, 1225

Carbamate, Triazine, Dichloropropionanilide, and Diallylacetamide Compounds to Sheep, Toxicity of. 917*

CARBON

Dioxide Anesthesia in Cats, 1023

-14 in Ascaridia galli and the Host Chicken, Distribution of, 823

-14 Studies in Ruminants, Long-Term Respiratory, 165

Carcinoma of the Thyroid in a Beagle, 823 Cardiac Massage, Embolism from External, 46 Cardiovascular System, Promazine and Chloral Hydrate in Equine, 701
Castration of Cryptorchid Horses, An Improved

Method of Diagnosis and, 439*

CAT-See FELINE SPECIES

Catalase Test for Measuring Leukocytes in Milk, A Modified, 577*

Cataract Extraction in the Horse, Intracapsular, 773*

Correction: 911 Caterpillars, Stinging, 1267 Celiography with Iothalamic Acid, 1095* Cervical Cyst, The Confusing (Editorial), 49 Cesarean Section in the Mare, 1100*

Cesarean Sections in the Cow, Preterminal Gestation, 1224

Chicago in Review, 64

CHIMPANZEE—See LABORATORY ANIMALS

Chloral Hydrate in Equine Cardiovascular System. Promazine and, 701 Chlortetracycline in Feed, Medication of Pigeons

with, 921*

Chymopapain, Treatment of the Canine Interver-tebral Disc Syndrome with, 893*

CLINICO-PATHOLOGIC CONFERENCE Granulomatous Folliculitis of Mycotic Origin in

Dog, 580 Johne's Disease, Nephritis, and Adrenal Atrophy in Bull, 157

Subaortic Stenosis in Dog, 363

Traumatic Rupture of the Lung in Dog, 1213 Yellow Fat Disease with Muscle Degeneration in Horse, 806

Colonic Fistula in the Horse, External, 29* (Color) Cats Discriminate Red from Green, 525 (Color) Ham Discoloration Due to Iron Injections (Editorial), 470

Colostral Antibody Studies, Hog Cholera, 166 Colostrum of First-Calf Heifers, Streptococcus

agalactiae in, 1223 Coming Meetings, 78, 190, 290, 400, 512, 618, 732, 858, 950, 1046, 1136, 1248

Complement-Fixation and Capillary-Agglutination Tests in an Anaplasmosis-Infected Herd of Cattle, 258*: Corresp.: 880

Complement-Fixation Test, Detection of Bovine Tuberculosis by, 379 Congenital Joint Luxation, in the Dog, Polyarthro-

dysplasia, 1204*

Congential Porphyria in a Cat, 462* Constitution, House Actions on, 497

Copper Toxicosis in Sheep Fed Dry Feed, Chronic,

Copyright Changes Proposed, 976

Coronary Arteriosclerosis in a Horse, 132*

CORRESPONDENCE

American Cancer Society Advertisement, 314 Artificial Vagina for Equine Semen Collection, 222

CF and CA Tests for Bovine Anaplasmosis, 880 Comments on Diagnosis, 766 Credit-Report on Mental Health Problems,

Departments of Radiation Biology, 220

Dues, 4 Education, 218

Emergency Service, 102 Error in Diagnosis Feature, 104 Error in Iron-Dextran Dosage, 766

Ham Discoloration, 764 Honorary Member Appreciation, 976

A Matter of Survival, 882 NAFV Appreciation of AVMA Support, 1074 Say It Better, 538, 880 Succinylcholine Not an Anesthetic, 766

Superfetation in the Burro, 4

The Term "Placentome", 652 Testing Rabies Vaccine, 654

Unsatisfactory Rabies Vaccine, 220, 654 Veterinary Education, 540

Coumaphos on Bulls, Effect of, 456* Coumaphos Poisoning in Cattle, Oximes for Treatment of, 1206*

COUNCIL

on Biological and Therapeutic Agents Tours NADL at Ames, 1031
on Research Urges Continuation of AVMA
Research Scholarships in 1965, 1033

on Veterinary Service Investigates Workmen's Compensation Rates, 1231

Courses in Continuing Education, 86, 194, 296, 411, 516, 627, 736, 866, 953, 1052, 1141, 1254
Crooked Calf Syndrome, 461
Cryptococcosis Not Carried by Pigeons, 557

Cryptorchid Horses, An Improved Method of Diagnosis and Castration of, 439*

Cuban Veterinarians Seek AVMA Guidance on Job Opportunities, 1133 Cyst Involving the Mandibular Salivary Gland of

a Dog, Surgical Removal of a 11* Cyst, The Confusing Cervical (Editorial), 49

Data Retrieval Function in Veterinary Medicine: A Proposal for Systematic Data Programming, Clinical Records System and, 1189*

Deaths, 70, 184, 284, 396, 507, 612, 725, 838, 945, 1041, 1132, 1244.

Deer to Infectious Bovine Rhinotracheitis, Sus-

ceptibility of Mule, 51
Demodex Found in Variety of Internal Tissues,

Demodex Found in Variety of Internal Tissues, 805
Demodicosis, Effect of Hypothyroidism on Canine,

Dermatitis in the Dog, Rhabditic, 25*

Correction: 257
Devocalization of Dogs by Laryngofissure and Dissection of the Thyroarytenoid Folds, 325*
Diabetes Insipidus Attributed to Visceral Larva

Migrans in a Dog, 996 Diabe.es Insipidus Controlled with Pituitary Extract, 247

DIAGNOSIS

Comments on (Corresp.), 766 Feature, Error in (Corresp.), 104 What is Your, 169, 267, 381, 475, 587, 699, 821, 927, 1027, 1113, 1229

Diallylacetamide Compounds to Sheep, Toxcity of Carbamate, Triazine, Dichloropropionanilide, and, 917*

Diarrhea Antibodies, Serologic Survey for Infectious Bovine Rhinotracheitis and Bovine Viral, 40*

Dichloropropionanilide, and Diallylacetamide Compounds to Sheep, Toxcity of Carbamate, Triazine, 917*

Diet, Glucose and Acids in Ovine Rumen Changed from Hay to Hay-Plus-Grain, 53 Digestion, ISU To Host International Symposi-

Digestion, ISU To Host International Symposium on Ruminant, 390

Digit in Cow, Fracture of Third Phalanx on Lateral (Diagnosis), 927

DINGO-See CANINE SPECIES

Diplomates To Follow AVMA Chicago Convention, Examination for, 66 Discography in Dogs, 240

DISPLACEMENT

Associated with Ingestion of Gasoline, Abomasal 460* Auscultative Diagnosis of Abomasal, 347 in Cattle, Right-Sided Abomasal, 553*

Dissection of the Mouse, Dorsal, 54

DISTEMPER

Inclusions in Membrana Nictitans, 896 Revaccination Advisable, Periodic, 156 Virus Adapted to Hamsters, Strain of Egg-Adapted Canine, 1115

Diuretic Drugs on Ovine Renal Function, Effects of, 1022 DNA Viscosity Test, Estimation of Blood Leuko-

cyte Numbers by Means of a, 1177*
DNP Effective Against Canine Spirocercosis,
575

Dog-See Canine Species

Dorsal Dissection of the Mouse, 54 Droperidol Neuroleptanalgesia Produced by Fentanyl and, 897* "Dropped Muscle" in the Greyhound, 330

Volume Index

DRUG(S)
Evaluation Directed at Practitioner (Edit. Viewpoints), 56
Frauds, Senator Humphrey Reveals Justice De-

Frauds, Senator Humphrey Reveals Justice Department To Crack Down on, 182 on Ovine Renal Function, Effects of Diuretic, 1022

Resistance Dangers (Edit. Viewpoints), 270 Resistance Reduced by Drug Rotation (Edit. Viewpoints), 270 Third Class of (Edit. Viewpoints), 56

Dues (Corresp.), 4 Dues, Professional, 579 Dysplasia in Dog, Scapular Tuberosity and Shoulder (Diagnosis), 267

E

Ears, Don't Pull Dogs' (Editorial), 362

EDITORIAL VIEWPOINTS
AVMA Helps USDA Veterinarians, 478
Clinical Testing, 704
Drug Evaluation Directed at Practitioner, 56
Drug Resistance Dangers, 270
Drug Resistance Reduced by Drug Rotation, 270
Emergency Medical Service by Veterinarians, 04
Feed Additives, Good and Bad, 932
Good Image Follows Good Work, 478
Guaranteed Disease-Free Pets, 478

Guaranteed Disease-Free Pets, 478 Jonas-Type Splints Used for Fractures in Man, 1118 Lay Market for Small Animal Vaccines, 932 Leucocytes in Milk, 270

More Veterinarians Needed, 478
Multiple Choice Tests Evaluated on South
African Veterinary Students, 1118
New Veterinary Schools Parallel Increase in
Livestock and Human Population, 478
Personal Public Relations, 1118
Thalidomide, Tobacco, and the Brooklyn Bridge,

Third Class of Drugs, 56 Veterinary Retailing, 704 Women in Science, 932 Editorials, About Our (Edit.), 1020

EDITORIALS

About Our Editorials, 1020
The Case Against Intrathoracic Anesthesia in Cats, 697
The Confusing Cervical Cyst, 49
Don't Pull Dogs' Ears, 362
Ham Discoloration Due to Iron Injections, 470
A Matter of Survival, 361
Corresp: 882
Metric System Preferred, 1112
The Model Practice Act, 578
Nonproprietary Names, 1112
Physicians and Veterinary Licensure, 155
Rabies — An Old Problem Presents a New Challenge, 263

Referral Guidelines for Small Animal Practice,

Telephone Directory Listings, 818

EDUCATION

Advisory Committee Selected, Continuing, 939 Correspondence, 218

Symposium Looks into Future of Veterinary Medical, 271

Educational Opportunities, 86, 196, 412, 519, 628, 739, 868, 1058, 1144, 1258

Egg Production, Aspirin Stimulates, 1012 Electroanesthesia on Large Animals: A Report of 100 Administrations, The Application of, 1104*

100 Administrations, The Application of, 1104*
Electrocardiogram of the Race Horse, Studies on the (Book), 55

Electrocorticograms, Comparison of Canine Electroencephalograms with, 165
Electroencephalograms, Technique for Obtaining

Electroencephalograms, Technique for Obtaining Canine, 590

Electroencephalograms with Electrocorticograms, Comparisons of Canine, 165 Embolism from External Cardiac Massage, 46

Empolism from External Cardiac Massage, 46
Emergency Medical Service by Veterinarians
(Edit. Viewpoints), 704

Emergency Service (Corresp.), 102 Encephalitis from 1935-1963, Morbidity and Mortality for Equine Viral, 426 Encephalomyelitis Found in Florida Horses, East-

ern and Western Equine, 693 Enrollment for Academic Year 1964-1965, Veter-

inary Student, 1241 Enrollment, Increase Continues in Veterinary

School, 1241 Enteroviruses, Distribution of Neutralizing Antibodies to E1 and E4 Strains of Porcine, 473

bodies to E1 and E4 Strains of Porcine, 473 Epididymitis, Actinobacillus seminis Isolation from Ovine, 53

Epistaxis Due to Rupture of an Aneurysm in a Horse, 1004*

EQUINE SPECIES

Eurro, Superfetation in the (Corresp.), 4 Equine Cardiovascular System, Promazine and Chloral Hydrate in, 701

Equine Encephalomyelitis Found in Florida Horses, Eastern and Western, 693

Equine Piroplasmosis in South Africa and the United States, A Comparison of, 912* Equine Semen Collection, Artificial Vagina for

(Corresp.), 222 Equine Sporotrichosis, 692*

Equine Sporotrichosis, 692* Equine Viral Encephalitis from 1935-1963, Morbidity and Mortality for, 426

Foal, Feeding the Young, 785

Horse, Coronary Arteriosclerosis in a, 132* Horse, Epistaxis Due to Rupture of an Aneurysm in a, 1004*

Horse, External Colonic Fistula in the, 29* Horse Health Course for Veterinarians Held at Rutgers, 1131

Horse, Intracapsular Cataract Extraction in the, 733*

Correction: 911

Horse, Luxation and Fracture of the Hock of the, 341*

Horse Racing Revenues, 525

Horse, Rhinosporidiosis in a, 345* Horse, Studies on the Electrocardiogram of the

Race (Book), 55 Horse, Surgical Treatment of Tendon Injuries in the, 447* Horse, Yellow Fat Disease with Muscle Degeneration in (CPC), 806

Horses, An Improved Method of Diagnosis and Castration of Cryptorchid, 439*

Horses at the Hilton (Convention), 487 Horses, Eastern and Western Equine Encephalomyelitis Found in Florida, 693

Horses, Grass Sickness in, 251 Horses Protected from Piroplasmosis by Vector Control, 344

Mare, Cesarean Section in the, 1100*

Ponies, Management of Fracture and Luxation of the Femoral Head in Two, 248*

Erythrocyte Sedimentation Rates and Packed Erythrocyte Volumes of Blood from Chickens and Turkeys, 47*

Erythrocytes of Sheep Acclimatized to High Altitude, 701

Esophageal Neoplasms Related to Spirocerca, 586 Esophageal Stricture in Heifer (Diagnosis), 699 Esophageal Tumor, Ossifying Spondylitis Suggest Spirocercosis, 242

Estrous, Cycle in Swine, Body Temperature and the, 379

EWE-See OVINE SPECIES

Executive Board Studies Long-Range Planning, 504

Experimental Animal Found for Hepatitis Research, First, 713

search, First, 713
Experimental Animal Medicine, Symposium Series To Discuss, 943

(Eyes) Photography of Dog and Cat Fundus with the Noyori Camera, 380

F

Farm Veterinarian, The (Book), 1116 FDA Expanding, Veterinary Activity in, 825 Feces of Chickens, Traces of Lead in Liver and, 380

FEED(ING)

Additives, Good and Bad (Edit. Viewpoints), 932

Medication of Pigeons with Chlortetracycline in, 921*

Mineral Fortification of, 1211

Young Calves Grow Faster Without Hay, 1230 the Young Foal, 785

Feet and Legs, Changes in Muscles of Chickens with Malformed, 266

FELINE SPECIES

Cat by Hemilaminectomy and Removal of Vertebral Processes, Treatment of Spinal Disorders in the, 243*

Cat, Congenital Porphyria in a, 462*

Cat, Fetus in the Abdomen of (Diagnosis), 1113 Cat, Fundus with the Noyori Camera, Photography of Dog and, 380 Cat, Hydronephrosis in a, 123*

Cat, Preputial Urethrostomy in the Male, 903*

Cat Rabies in Arizona, 1091

Cat, The Septum of the (Book), 168

Cat, A Stereotactic Atlas of the Brain Stem of the (Book), 1228

Cats and Dogs in the Sacrococcygeal Region, Amputation of the Tails of, 464*

Cats, Carbon Dioxide Anesthesia in, 1023 Cats, Clinical Aspects of Pancreatic Diseases of Dogs and, 21*

Cats Discriminate Red from Green, 525

Cats, Microsporum Infections in, 115* Cats Resistant to Leptospirosis, 589

Cats, Ringworm Lesions Obscure in Older, 753 Cats. The Case Against Intrathoracic Anesthe-

sia in (Editorial), 697 Feline Infectious Anemia Transmitted in Utero, 269 Feline Urethral Stenosis, Paracentesis for Relief

of. 131

Fellowships, AVMA Foundation, 1151 Femoral Head in Two Ponies, Management of Fracture and Luxation of the, 248*

Femur in Dog, Separation of Tendon of Gastroc-nemius Muscle from (Diagnosis), 1229 Fentanyl and Droperidol, Neuroleptanalgesia Pro-

duced by, 897* Fertility Control and Herd Management Program on a Dairy Farm, The Economic Impact of a,

Fetus in the Abdomen of Cat (Diagnosis), 1113 Film Library, Addition to the AVMA, 546

FILMS

The Health of Any Living Being, 709 Sign of Profit, 546

Fish, Tuberculosis in Tropical, 1028 Fistula in the Horse, External Colonic, 29* FMD Campaigns, South American Countries Plan, 714

FOAL-SEE EQUINE SPECIES

Folliculitis of Mycotic Origin in Dog, Granulomatous (CPC), 580

Foot-and-Mouth Disease Virus, Response of Sheep to Infection with, 51

Foreign Internship Program, Purdue Begins, 836 Foxes Suspected of Having Rabies, Isolation of Listeria monocytogenes from, 466*

FRACTURE(S)

and Luxation of the Femoral Head in Two Ponies, Management of, 248*

Important Considerations in Reduction of Radial, 671

in Man, Jonas-Type Splints Used for (Edit. Viewpoints), 1118 of the Hock of the Horse, Luxation and, 341*

of the Scapula in Dog (Diagnosis), 821 of Third Phalanx on Lateral Digit in Cow (Diagnosis), 927

Fungi Pathogenic to Man and Animals, Bacteria and (Book), 931 Furunculosis in Trout, Sulfamerazine for, 924

G

Gaines Collection, Seek Dog Pictures for the, 957 Gaseous Distention of the Small Intestine and Achondroplasia of Dog (Diagnosis), 1026 Gasoline, Abomasal Displacement Associated with

Ingestion of, 460*

Genetics, Animal (Book), 473 Gestation Cesarean Sections in the Cow, Preterminal, 1224

Gland of a Dog, Surgical Removal of a Cyst Involving the Mandibular Salivary, 11* Glands To Aid Surgical Removal, A Method for Packing Anal, 241*

Glaucoma in Dogs, Primary, 1081*

Glucose and Acids in Ovine Rumen After Addition of Large Amounts of Wheat, 702 Glucose and Acids in Ovine Rumen Changed from

Hay to Hay-Plus-Grain Diet, 53

GOAT-See CAPRINE SPECIES

Gonadotropin-Induced Multiple Pregnancy in Beef Cattle, 929

GRANT(S)

Animal Research Facilities Aided by USHEW,

for Symposium, AVMA Research Fund Receives \$9,000, 63 to Howard University for Animal Facilities,

NIH, 1237

Grass Sickness in Horses, 251

GREYHOUND-SEE CANINE SPECIES

Group Meetings, Reports of (1964 AVMA Convention), 591

Groups Hold Annual Meetings at AVMA Convention, Congeneric, 591 (Growth) Young Calves Grow Faster Without

GUINEA PIG-See LABORATORY ANIMALS

н

Haemonchosis in Artificially Infected Lambs, 930 Haemonchus contortus in Sheep, Effectiveness of Thiabendazole Against, 165

Haemonchus contortus to Phenothiazine, Susceptibility of, 167 Halothane Methoxyflurane Compared to, 990

Ham Discoloration Due to Iron Injections (Editorial), 470 Corresp.: 764

HAMSTER—See LABORATORY ANIMALS

Hay to Hay-Plus-Grain Diet, Glucose and Acids in Ovine Rumen Changed from, 53

HEART-See also CARDIAC

and Dilated Pulmonary Artery in Dog, Enlarged (Diagnosis), 475 Corresp.: 766

Disease, Early Treatment of, 14
Failure in the Aged Dog, Management of Congestive, 377

f Large Animals, Tuskegee Gets Grant To Study, 710

HEIFER-See BOVINE SPECIES

Helenium microcephalum Smallhead (Sneezeweed), Toxicity of, 694*
Hematologic Findings Associated with Some Com-

mon Diseases of Poultry, 141*

Hematopoiesis in Normal Guinea Pig Embyros,

Hemilaminectomy and Removal of Vertebral Processes, Treatment of Spinal Disorders in the Cat by, 243*

Hemoglobinuria, Mineral Oil Adjuvant Vaccine for Bacillary, 265

Hemolymph Node Involvement in Bovine Leukemia, 1107*

HEPATITIS

Associated with Ruminal Protozoa, Bovine, 558* Pathogenesis of Murine, 1022 Research, First Experimental Animal Found for,

713 Studies of Dogs with Infectious Canine, 701

Herd Management Program on a Dairy Farm, The Economic Impact of a Fertility Control and, 6724

(Heredity) Hereditary Aspects of Hip Dysplasia in German Shepherd Dogs, 15* Hermaphroditism in a Dog, Bilateral, 997*

Hernia in a Dog, Hiatus, 1203 Hiatus Hernia in a Dog, 1203

Hip Dysplasia in German Shepherd Dogs, Heredi-

tary Aspects of, 15* Hip Dysplasia in the German Shepherd Dog, Influence of Early Rapid Growth and Weight Gain

Hock of the Horse, Luxation and Fracture of the, 341*

Hodgkins Disease in a Dog, 231*

Hog-See Porcine Species

Honor Roll Recipients, No. 487 Honorary Member Appreciation (Corresp.), 976 Honorary Membership of AVMA, Temple Pro-fessor (Truex, R. C.) Named to, 486

Horse-See Equine Species

Hospitals, SBA Loans Build and Buy Animal, 1119 House Adopts 14 Resolutions Out of 20 Submitted,

Hydronephrosis in a Cat, 123*

Hydropericardium and Ascites in Chickens, 1115 Hydrops Allantois Associated with Twin Pregnancy and Uterine Rupture in a Cow, 688*

Hypoderma and Parturition Complicate Sweet Clover Poisoning, 351

Hypothyroidism in Dogs, Experimentally Induced,

Hypothyroidism on Canine Demodicosis, Effect of,

ı

Immunization of Sheep Against Ovine Vibriosis,

Immunology (Vol. III), Advances in (Eook), 1116 Index, Accumulative Veterinary (Book), 474 Infertility, Oxytetracycline Evaluated for Treat-ment of, 1010

Infertility, Warns of Losses Through Livestock,

Insurance Claims Analyzed, Professional Liability, 709

INSURANCE NOTES

Liability and Bolus Administration to Horses,

What To Do When You Are Accused of Malpractice, 964

Interventricular Septal Defect (Roger's Disease) in the Dog, 331*

Intervertebral Disc Syndrome with Chymopapain, Treatment of the Canine, 893*

Intestinal Intussusception in a Cow, 348* Intrathoracic Anesthesia in Cats, The Case Against (Editorial), 697

Intussusception in a Cow, Intestinal, 348* Iothalamic Acid, Celiography with, 1095*

-Dextran and Vitamin B Complex for the Treatment of Anemia in Adult Sheep, 452* Corresp.: 766

Ham Discoloration Due to (Edito-Injections. rial), 470

Corresp.: 764 Via Sow's Milk, Pigs Acquire, 792

Johne's Disease, Nephritis, and Adrenal Atrophy in Bull (CPC), 157 Joint Luxation, in the Dog, Polyarthrodysplasia, Congenital, 1204* Jonas-Type Splints Used for Fractures in Man (Edit. Viewpoints), 1118

Judicial Council Considers Variety of Matters at Fall Meeting, 1029

Keratoconjunctivitis Associated with Infectious Bovine Rhinotracheitis, 32*

KIDNEY-See also RENAL

Kidney Function Associated with Pyometra, Ovariohysterectomy Improves Abnormal, 322

- Labor Union Representation—Adopt New Consti-tution, MID Veterinarians Reject, 1125 (Labor Unions) NAFV Granted National Recog-
- nition by Secretary Freeman, 387
- LABORATORY ANIMAL(S)
 - Chimpanzees Display Skills at Annual AFA Convention, 1161
- Guinea Pig Embryos, Hematopoiesis in Normal, 378
- Hamsters, Strain of Egg-Adapted Canine Dis-temper Virus Adapted to, 1115 Medicine, Professional Services Needed in, 181
- Mice, Toxicity of Scabby Barley Water Extracts to, 1224
- Mouse, Dorsal Dissection of the, 54
- Rabbit Diseases Important, Mink and, 262
- Rats Wired for Sound in Research Study, 724

LAMB-See OVINE SPECIES

- Larva Migrans, Cutaneous, 902
- Larva Migrans in a Dog, Diabetes Insipidus At-tributed to Visceral, 996
- Laryngofissure and Dissection of the Thyroary-tenoid Folds, Devocalization of Dogs by, 325* Lasers in Medicine, 227
- Lead in Liver and Feces of Chickens, Traces of,
- Leptospira icterohaemorrhagiae, Toxin Production by, 378
- Leptospiral Antibodies in Bovine Serum, Evalua-tion of a Plate Test for the Detection of, 683* Leptospires, Reticuloendothelial Phagocytosis of Virulent, 379
- Leptospirosis, Cats Resistant to, 589
- Leukemia, Hemolymph Node Involvement in Bovine, 1107*
- LEUKOCYTE(S)
 - in Milk, A Modified Catalase Test for Measur-ing, 577*
 - in Milk (Edit. Viewpoints), 270
 - Numbers by Means of a DNA Viscosity Test, Estimation of Blood, 1177*
- Leukosis in Denmark, Epizootiologic Studies on
- Bovine, 477 Licensure, Physicians and Veterinary (Editorial),
- Life Science Program, High School Students At-
- tend Purdue's, 610 Listeria monocytogenes from Foxes Suspected of
- Having Rabies, Isolation of, 466*
- Listeria monocytogenes, Toxic Cellular Component of, 590
- Liver and Feces of Chickens, Traces of Lead in, 380
- Livestock Infertility, Warns of Losses Through, 1240
- Livestock, Organic Phosphorus Compound Poisoning in, 1223
- Loans Build and Buy Animal Hospitals, SBA, 1119 Lung in Dog, Traumatic Rupture of the (CPC), 1213
- Lungs, Blood-Air Barrier in Bovine, 380 Lungworms Enhance Severity of Swine Influenza,
- Luxation and Fracture of the Hock of the Horse,
- 341*

- Luxation of the Femoral Head in Two Ponies, Management of Fracture and, 248*
- Lymph Vessel Connections of Swine, Interrelationship of, 380
- Lymphangiography in the Dog, Direct, 166 Lymphosarcoma, Bovine, 1006

- (Malpractice) Professional Liability Insurance
- Claims Analyzed, 709 Malpractice, What To Do When You Are Accused of (Insurance Notes), 964
- Mandibular Salivary Gland of a Dog, Surgical Removal of a Cyst Involving the, 11*

MARE—See EQUINE SPECIES

- "Mastitic" Milk, Presence of Blood-Serum Albumin in, 265
- Animal Research, USDA Acquiring 10,000 Nebraska Acres for, 391
- Inspection Aim of Washington State Rally, Man-
- datory, 282 Inspection, Iowa V.M.A. Helps Draft Bill on
- Compulsory, 1243
 Program Proposed by USDA, Cooperative State, 1123
- Medical "First", Insertion of Tube Into Heart of Living Horse, Recounted by Veterinarian, 1130 Melanoma Cell Lines, Canine Thyroid Adenocarci-
- noma and, 1023 Membrana Nictitans, Distemper Inclusions in, 896 Memorial Fund and Gifts of Appreciation Fund,
- History of, 1133 Mental Health Problems, Involving the Family, the Pet, and the Veterinarian, 150*
- Corresp.: 426 Methoxyflurane Compared to Halothane, 990
- Methylene Blue, A Simple and Rapid Method for Staining Blood Films with New, 1184*
- Methyluracil and Substituted Urea and Phenol Compounds to Sheep, Toxicity of, 787* Metric System Preferred (Edit.), 1112 Michigan Pet Clinic Popular, 390
- Microsporum Infections in Cats, 115* Microsporum, Zoophilic, 426
 - MILK
 - Fever but May Be Toxic, Vitamin D Prevents,
 - Leukocytes in (Edit. Viewpoints), 270 A Modified Catalase Test for Measuring Leu-
 - kocytes in, 577* Presence of Blood-Serum Albumin in "Mastitic". 265
- Mineral Fortification of Feeds, 1212
- Mineral Oil Adjuvant Vaccine for Bacillary Hemoglobinuria, 265
- Mink and Rabbit Diseases Important, 262
- Model Practice Act Approved, 497 Model Practice Act, The (Editorial), 578

Molybdenum-99 in Cows, Biological Half-Life of,

Morris Animal Foundation Approves 23 Research Projects, 725

MOUSE—See LABORATORY ANIMALS

Murine Hepatitis, Pathogenesis of, 1022

Muscle Lesions in a Set of Monozygous Twin Bulls, Similar Loin, 1011*

Mycoplasmosis of Adult Turkeys, Experimentally Induced, 265

Myelosarcoma (Plasma-Cell Type) in a Dog, 234*

NAFV Appreciation of AVMA Support (Corresp.), 1074

N-allyl-noroxymorphone, in Dogs, Clinical Observations on the Preanesthetic Use of Oxymorphone and Its Antagonist, 127* NAS Council Meeting, AVMA Representative Re-

ports on, 824

National Association of Federal Veterinarians Granted Recognition by Secretary Freeman, 387 National Board of Examiners, House Elects Three to, 497

National Dog Week, September 20-26, 412

Neoplasia in a Dog, Multiple, 991* Neoplasms Related to Spirocerca, Esophageal, 586 Nephritis, and Adrenal Atrophy in Bull, Johne's Disease (CPC), 157

Neuroleptanalgesia Produced by Fentanyl and Droperidol, 897*

Nitrite Intoxication in Cattle, 1226

NUTRITION

Feeding the Young Foal, 785 Pigs Acquire Iron Via Sow's Milk, 792 Veterinarians Need More Training in Animal, Ovine Parasitism, Effects of Weaning Time on, 1225 Ovine Renal Functon, Effects of Diuretic Drugs

on, 1022

Ovine Rumen After Addition of Large Amounts of Wheat, Glucose and Acids in, 702

Ovine Vibriosis in Virginia, Sporadic, 570* Sheep Acclimatized to High Altitudes, Erythrocytes of, 701

Sheep Against Ovine Vibriosis, Immunization of, 472

Sheep, Anatomy of the (Book), 1227 Sheep, Effectiveness of Thiabendazole Against Haemonchus contortus in, 165 Sheep Fed Dry Feed, Chronic Copper Toxicosis

in, 352*

Sheep, Iron-Dextran and Vitamin B Complex for the Treatment of Anemia in Adult, 452* Corresp.: 766 Sheep Scabies, Kentucky and Pennsylvania Free

of, 835

Sheep to Infection with Foot-and-Mouth Disease Virus, Response of, 51

Sheep to Turkeys, Transmission of Ornithosis from, 1024

Sheep, Toxicity of Carbamate, Triazine, Dichloropropionanilide, and Diallylacetamide Compounds to, 917*

Sheep, Toxicity of Methyluracil and Substituted Urea and Phenol Compounds to, 787* Sheep, Vasopressin-Induced Saluresis in, 1225

Oximes for Treatment of Coumaphos Poisoning in Cattle, 1206*

Oxygen Uptake by Maturing Bovine Placenta, 51 Oxymorphone and Its Antagonist, N-allyl-noroxymorphone, in Dogs, Clinical Observations on the Preanesthetic Use of, 127*
Oxytetracycline Evaluated for Treatment of In-

fertility, 1010

Ornithosis from Sheep to Turkeys, Transmission

Osmotic and Ionic Regulation in Animals (Book),

Ovariohysterectomy Improves Abnormal Kidney Function Associated with Pyometra, 322

OVINE SPECIES

Lambs, Bluetongue Associated with Abnormalities in Newborn, 1013*

Lambs, Haemonchosis in Artificially Infected,

Ovine Abortion Virus, Purification of, 472 Ovine Epididymitis, Actinobacillus seminis Isolation from, 53

Pancreatic Diseases of Dogs and Cats, Clinical Aspects of, 21*

Pancreatic Islet Cell Tumor in a Dog, 1198* Papilloma in Urinary Bladder of Dog, Transitional Cell (Diagnosis), 381

Paracentesis for Relief of Feline Urethral Stenosis, 131

Parainfluenza-3 Vaccine, Calves with Bovine, 378 Vaccination of Beef

Paralysis at Cornell, Study Coon Dog, 68 Parasites in Steers and Rotational Grazing Studied,

Internal, 394 Parasitism, Effects of Weaning Time on Ovine. 1225

Parturition Complicate Sweet Clover Poisoning, Hypoderma and, 351

Peace Corps in Nigeria, Dr. Cunningham Volunteers for, 944 Peanut Crop, USDA Develops Industry-wide Pro-

gram for 1964, 718 Penis, Deviations of the Bovine, 677*

Pest Control, AAAS Meeting To Feature, 1123 Pesticide Storage in Human Fat Tissue, 1103

PET(S)

and the Veterinarian, Mental Health Problems Involving the Family, the, 150* Corresp.: 426

Clinic Popular, Michigan, 390 Dog Food TV Advertising Has Big Increase,

Guaranteed Disease-Free (Edit. Viewpoints), 478 Importation or Re-entry of, 868

Phagocytosis of Virulent Leptospires, Reticuloendothelial, 379

Phenol Compounds to Sheep, Toxicity of Methyluracil and Substituted Urea and, 787*

Phenothiazine, Susceptibility of Haemonchus contortus to, 167

Phosphorus Compound Poisoning in Livestock, Organic, 1223

Photography of Dog and Cat Fundus with the Noyori Camera, 380

Photography, Surgical, 786* (Physiology) Cats Discriminate Red from Green,

PIG-See PORCINE SPECIES

PIGEON-See AVIAN SPECIES

Piroplasmosis by Vector Control, Horses Protected from, 344

Piroplasmosis in South Africa and the United States, A Comparison of Equine, 912* Pituitary Extract, Diabetes Insipidus Controlled

with, 247

Placenta, Oxygen Uptake by Maturing Bovine, 51 "Placentome", The Term (Corresp.), 652 Plants of the United States and Canada, Poison-

ous (Book), 703

Plate Test for the Detection of Leptospiral Antibodies in Bovine Serum, Evaluation of a, 683*

Pneumocystography, 31 Pneumonia with Coexistent B Virus Infection, Simian Giant-Cell, 266

Pneumonias Predominantly Proliferative, Bovine,

Poisoning

Hypoderma and Parturition Complicate Sweet Clover, 351 in Cattle, Oximes for Treatment of Coumaphos,

1206*

in Dogs, Sodium Fluoroacetate, 1001 in Livestock, Organic Phosphorus Compound,

Questioned, Batyl Alcohol for Bracken, 1019

Poisonous Plants of the United States and Canada (Book), 702

Polyarthrodysplasia (Congenital Joint Luxation) in the Dog, 1204*

PONY-See Equine Species

Population Explosion, The, 868

PORCINE SPECIES

Boars, Intratesticular Anesthesia in, 446 Hog Cholera Colostral Antibody Studies, 166 Hog Cholera Epizootics Reported, Fewer, 943 Hog Cholera Eradication Goal Set for 1972, 283 Hog Cholera Eradication Program, Indiana Enters, 391

Hog Cholera Eradication Program Moves Ahead, Iowa, 179

Hog Cholera Fight, Iowans Drive Toward Finish in Phase 2 of, 394

Hog Cholera-Free, Vermont Is First State To Be, 1037

Hog Cholera, The Effect of Salmonella choleraesuis Infection on Immunity to, 252

Hog Cholera Vaccination Rates for 1963, 956 Hog Cholera Virus, Subculturable Swine Buffy Coat Cells with, 1022

Hog Colon as Affected by Handling Practices Prior to Slaughter, Incidence of Salmonella in the, 139*

Hog Raising, Current Concepts of Specific-Pathogen-Free, 797

Treatment for Prolapsed Rectum in the,

Pigs Acquire Iron Via Sow's Milk, 792 Pigs, Antibody Production in Baby, 52

Persistence of Antibodies in Circulation of Baby, 1023

Pigs, Prevention of Anemia in Baby, 52 Porcine Enteroviruses, Distribution of Neutral-izing Antibodies to El and E4 Strains of, 473 Swine Abscess Committee To Develop Research Program, 829

Swine Abscesses, Economics of, 154

Swine, Body Temperature and the Estrous Cycle

Swine Buffy Coat Cells with Hog Cholera Virus, Subculturable, 1022

Swine, Diseases of (Book), 1025

Swine Fever in France Brings Restrictions on U.S. Imports, 609

Swine Influenza, Lungworms Enhance Severity of, 920 Swine, Interrelationship of Lymph Vessel Con-

nections of, 380 Swine Jowl Abscesses Introduced by Throat In-

fection, 455 Swine To Be Changed, Interstate Shipping Rules for, 831

Swine, X-Ray Exposure of, 1223

Porphyria in a Cat, Congenital, 462*

POULTRY-See AVIAN SPECIES

Practice Characteristics and Animal Admissions in Two California Counties, A Survey of, 358* Practice Management, Tips on, 576*

Pregnancy and Uterine Rupture in a Cow, Hydrops Allantois Associated with Twin, 688* Pregnancy in Beef Cattle, Gonadotropir-Induced Multiple, 929
Preputial Urethrostomy in the Male Cat, 903*
Presidential Scholar (Wise, M.), 1239

U

Professional Dues, 579

Prolapsed Rectum in the Pig, Treatment for, 790* Promazine and Chloral Hydrate in Equine Cardiovascular System, 701

(Proprietary) Nonproprietary Names (Edit.). 1112

Protozoa, Bovine Hepatitis Associated with Ruminal, 558*

(Public Health) Mental Health Problems Involving the Family, the Pet, and the Veterinarian,

Public Health - The Practitioner and His Community, Veterinary, 144* Public Information Page, 300, 750, 958, 1154

PUBLIC RELATIONS

Personal (Edit. Viewpoints), 1118

Programs Gain in Effectiveness and Dimension. Student Chapter, 1154

Slide Film Released by AVMA, Color-Sound, 709

Successful, 958

Pulmonary Artery in Dog, Enlarged Heart and Dilated (Diagnosis), 475

Corresp.: 766

Purpura in the Dog, Idiopathic Thrombocytopenic,

Pyrometra, Ovariohysterectomy Improves Abnormoral Kidney Function Associated with, 322

RABBIT-See LABORATORY ANIMALS

RABIES

Advisory Committee, Arizona Forms, 609 Featured at Kansas Conference, Booster Injections Against, 176

in Arizona, Cat. 1091

in Cattle, Clinical Signs of, 264

Isolation of Listeria monocytogenes from Foxes Suspected of Having, 466*

An Old Problem Presents a New Challenge (Editorial), 263

Study, Iowa Host to, 1236

Threat in Iowa Is the Skunk, Number One, 183 Treatment, Veterinarians Asked To Donate Blood for, 280

Vaccine, Unsatisfactory (Corresp.), 220, 654 Virus Produced in Embryonating Chicken Eggs and Tissue Culture, Modified Live, 166

Racing Commissioners, Selection of, 540

RADIATION

Biology, Departments of (Corresp.), 220 Genetics Laboratory Moves to CSU, 1124 Survey of X-Ray Protection Practices Among Michigan Veterinarians, 793*

Radiography, A Guide to Canine (Book), 931 Radiography, Principles of Veterinary (Book), 54

RAT—See LABORATORY ANIMALS

Rebrassier, States Conference To Be Dedicated to Dr. R. E., 69

Records System and Data Retrieval Function in Veterinary Medicine: A Proposal for Systematic Data Programming, Clinical, 1189*

Rectum in the Pig, Treatment for Prolapsed, 790* Reference Committees Prepare Recommendations,

Referral Guidelines for Small Animal Practice (Editorial), 925

Registration Marks AVMA's 101st Annual Meeting, High, 491 Renal Function, Effects of Diuretic Drugs on

Ovine, 1022 (Reproduction) Reproductive Patterns of Vibriofetus-Exposed Cows, 1115

Respiratory Carbon-14 Studies in Ruminants, Long-Term, 165

(Retail Sale) Veterinary Retailing (Edit. Viewpoints), 704

Reticuloendothelial Phagocytosis of Virulent Leptospires, 379 Rhabditic Dermatitis in the Dog, 25*

Correction: 257 Rhinosporidiosis in a Horse, 345*

RHINOTRACHEITIS

and Bovine Viral Diarrhea Antibodies, Serologic Survey for Infectious Bovine, 40*

Keratoconjunctivitis Associated with Infectious Bovine, 32*

Susceptibility of Mule Deer to Infectious Bovine, 51

RINDERPEST-See BOVINE SPECIES

Ringworm Lesions Obscure in Older Cats, 753

(Roentgen) From r to R, 1021

Roger's Disease, in the Dog, Interventricular Septal Defect, 331*

Rupture of the Lung in Dog, Traumatic (CPC), 1213

Salmonella choleraesuis Infection on Immunity to Hog Cholera, The Effect of, 252*

Salmonella in the Hog Colon as Affected by Handling Practices Prior to Slaughter, Incidence of,

Saluresis in Sheep, Vasopressin-Induced, 1225 SBA Loans Build and Buy Animal Hospitals, 1119 Scabby Barley Water Extracts to Mice, Toxicity. of, 1224

Scabies, USDA Declares Illinois, Kansas, Ohio Free of, 827

Scapula in Dog, Fracture of the (Diagnosis), 821 Scapular Tuberosity and Shoulder Dysplasia in Dog (Diagnosis), 267

Science Citation Index (Book), 702 Semen Collection, Artificial Vagina for Equine (Corresp.) 222

Semen Import Regulations Proposed by USDA, Changes in Animal, 828

SHEEP—See OVINE SPECIES

Shipping Rules for Swine To Be Changed, Interstate, 831 Shock Therapy, Bacterial, 122

Simian Giant-Cell Pneumonia with Coexistent B Virus Infection, 266

Skunk, Number One Rabies Threat in Iowa Is the, 183

SMALL ANIMAL

Practice, Referral Guidelines for (Editorial), 925

Surgery, Some Technics and Procedures in (Book), 1117

Vaccines, Lay Market for (Edit. Viewpoints), 932

Small Intestine and Achondroplasia of Dog, Gaseous Distention of the (Diagnosis), 1026

Smallhead Sneezeweed, Toxicity of Helenium microcephalum, 694*

Snake Bite Vaccine in Venom Research, Veterinarian Seeks, 388

Sodium Fluoroacetate Poisoning in Dogs, 1001 Specific-Pathogen-Free Hog Raising, Concepts of, 797

Spinal Disorders in the Cat by Hemilaminectomy and Removal of Vertebral Processes, Treatment

Spirocerca, Esophageal Neoplasms Related to, 586 Spirocerca lupi, A Modified Stoll Technique for Detecting Eggs of, 573*

Spirocercosis, DNP Effective Against Canine, 575 Spirocercosis, Esophageal Tumor, Ossifying Esophageal Spirocercosis,

Spondylitis Suggest, 242 Spondylitis Suggest Spirocercosis, Esophageal Tumor, Ossifying, 242 Sporotrichosis, Equine, 692*

Staining Blood Films with New Methylene Blue, A Simple and Rapid Method for, 1184* Staphylococci in Dogs, 1225

Staphylococcic Vaccines Have Limitations, 459 State Board Examinations, 70, 184, 284, 395, 507, 612, 945, 1041, 1131, 1243

(Statistics) Morbidity and Mortality for Equine Viral Encephalitis from 1935-1963, 426

STEER—See BOVINE SPECIES

Stenosis in Dog, Subaortic (CPC), 363

Stenosis, Paracentesis for Relief of Feline Urethral, 131

Steroid Therapy and Infections, 691

Stoll Technique for Detecting Eggs of Spirocerca lupi, A Modified, 573*

Strangles, Streptococcus equi May Be Sole Cause of. 687

Streptococcus agalactiae in Colostrum of First-Calf Heifers, 1223

Streptococcus equi May Be Sole Cause of Strangles, 687 Student Loan Funds to Veterinary Colleges,

NAFV Offers, 612

(Style) Say It Better (Corresp.), 538 Subaortic Stenosis in Dog (CPC), 363

Succinylcholine Not an Anesthetic (Corresp.), 766 Sulfamerazine for Furunculosis in Trout, 924

Sulfonamide Blood Levels in Cattle, 1222 Superfetation in the Burro (Corresp.), 4

Surgery of the Biliary Tract, Pancreas, and Spleen (Book), 1024 Surgery, Some Technics and Procedures in Small

Animal (Book), 1117

Surgical Photography, 786* Suture, A Useful Subcuticular, 1002*

Sweet Clover Poisoning, Hypoderma and Parturition Complicate, 351

SWINE-See PORCINE SPECIES

Symposium

Looks into Future of Veterinary Medical Education, 271

on Ruminant Digestion, ISU To Host International, 390

Veterinary Education, AVMA Research Fund Receives \$9,000 Grant for, 63 Participants' Discussion, Excerpts from, 272

Syndactylism in Dog (Diagnosis), 169

T

Tails of Cats and Dogs in the Sacrococcygeal Region, Amputation of the, 464*

Taste Perception of Dogs, Pilot Project at KSU To Test, 833

Telephone Directory Listings (Editorial), 818

TELEVISION

Advertising Has Big Increase, Dog Food, 868 and Radio During AVMA Convention, Veterinarians Appear on, 498

Draws Big Attendance in Chicago, Eidophor, 492

Series, Veterinarian (W. Dolowy) Hosts New Illinois, 175

Tendon Injuries in the Horse, Surgical Treatment

Tendon of Gastrocnemius Muscle from Femur in

Dog, Separation of (Diagnosis), 1229
Testing, Clinical (Edit. Viewpoints), 704
Tests Evaluated on South African Veterinary
Students, Multiple Choice (Edit. Viewpoints), 1118

Thalidomide, Tobacco, and the Brooklyn Bridge (Edit. Viewpoints), 56

Thiabendazole Against Haemonchus contortus in Sheep, Effectiveness of, 165

Thiram Sensitivity,908
Throat Infection, Swine Jowl Abscesses Intro-

duced by, 455 hyroid Adenocarcinoma and Melanoma Cell Thyroid Adenocarc Lines, Canine, 1023

Thyroid in a Beagle, Carcinoma of the, 823 Toxicity of Methyluracil and Substituted Urea and

Phenol Compounds to Sheep, 787* Toxicity of Scabby Barley Mice, 1224 Water Extracts to

Toxicosis in Sheep Fed Dry Feed, Chronic Copper, 352*

Toxin Production by Leptospira icterohaemorrha-

Tracheal Collapse in the Dog, Treatment of, 669* Triazine, Dichloropropionanilide, and Diallylacetamide Compounds to Sheep, Toxicity of Carbamate. 917*

Trichomoniasis in Western Beef Bulls, Incidence and Diagnosis of, 1007*

Trout, Sulfamerazine for Furunculosis in, 924 Tuberculin, Anamnestic-like Reaction Elicited by, 52

Tuberculosis by Complement-Fixation Test, Detection of Bovine, 379

Tuberculosis in Tropical Fish, 1028

TUMOR

in a Dog, Pancreatic Islet Cell, 1198* Malignancy in a Canine Transmissible Veneral,

Ossifying Spondylitis Suggest Spirocercosis, Esophageal, 242

TURKEY-See AVIAN SPECIES

Twin Bulls, Similar Loin Muscle Lesions in a Set of Monozygous, 1011*

Udder Edema, Ciba Publishes Monograph on, 1151 Urea and Phenol Compounds to Sheep, Toxicity of Methyluracil and Substituted, 787* Urethral Stenosis, Paracentesis for Relief of Fe-

line, 131

Urethrostomy in the Male Cat, Preputial, 903* Urinary Bladder of Dog, Transitional Cell Papilloma in (Diagnosis), 381 Urolithiasis, Canine, 28

Uterine Rupture in a Cow, Hydrops Allantois Associated with Twin Pregnancy and, 688*

To Speak at Meeting in Denmark, American,

Veterinary Activity in FDA Expanding, 825 Veterinary College Go Forward, Plans for Canada's 2nd, 387

Veterinary Education Bills, Quick Passage Asked on, 1236

Veterinary Education (Corresp.), 540 Veterinary Exhibit Wins Annual Invitation to Fair, Montana, 828

Veterinary Index, Accumulative (Book), 474 Veterinary Medical Education, Symposium Looks into Future of, 271 Corresp.: 540

Veterinary Medical Office Is New Civil Service Position, 1124

Veterinary Medicine in Mexico, 228

Veterinary Medicine in the Postmodern World, 722

Veterinary Medicine, Trends in, 1099

(Veterinary Practice) A Matter of Survival (Editorial), 361

(Veterinary Practice) Hourly Basis Fee Gives Client Best Value, Says Nova Scotia V.M.A.,

Veterinary Preparations, Sales of, 698

Veterinary Preventive Medicine (Book), 930

Veterinary Profession, House Previews New Visual Aid on, 507

(Veterinary School) First Faculty Appointed for New Canadian School, 721

Veterinary Schools Parallel Increase in Livestock and Population, New (Edit. Viewpoints), 478 Vibrio fetus-Exposed Cows, Reproductive Patterns of, 1115

Vibrio fetus Infection and Reinfection in Heifers, 53

VACCINATION

of Beef Calves with Bovine Parainfluenza-3 Vaccine, 378

Periodic Distemper Revaccination Advisable, 156 Rates for 1963, Hog Cholera, 956

VACCINE(S)

for Bacillary Hemoglobinuria, Mineral Oil Adjuvant, 265

Have Limitations, Staphylococcic, 459 in Venom Research, Veterinarian Seeks Snake

Bite, 388 Lay Market for Small Animal (Edit. Viewpoints), 932

Unsatisfactory Rabies (Corresp.), 220, 654 Vaccination of Beef Calves with Bovine Parainfluenza-3, 378

Vasopressin-Induced Saluresis in Sheep, 1225 Vesicular Stomatitis Found in Three States, 838

VETERINARIAN OF THE YEAR Allam, Mark W. (Pennsylvania), 1123 Bild, Charles E. (Florida), 1234 O'Harra, John L. (Nevada), 392 Parshall, Charles J. (California), 179 Smith, Kenneth W. (Colorado), 1032

VETERINARIAN(S)

Act To Stimulate Public Interest, Local (PI Page), 300

and Their Patients (Book), 167

AVMA Helps USDA (Edit. Viewpoints), 478 Heart Massage Technique Saves Man's Life,

in Action During the Alaskan Emergency, 705 in International Parasitology Congress, U.S.,

Mental Health Problems Involving the Family, the Pet, and the, 150* Corresp.: 426

Needed, More (Edit. Viewpoints), 478

Receive Army Awards for Achievements, 723 Seek AVMA Guidance on Job Opportunities, Cuban, 1133

Survey of X-Ray Protection Practices Among Michigan, 793*

VIBRIOSIS

Immunization of Sheep Against Ovine, 472 in Virginia, Sporadic Ovine, 570* Stimulation of Resistance to Bovine, 166 Zoonotic Aspects of, 42

VIRUS(ES)

Adapted to Hamsters, Strain of Egg-Adapted Canine Distemper, 1115

Infection, Simian Giant-Cell Pneumonia with Coexistent B, 266

of Enzootic Abortion of Ewes from California and Oregon Sheep, Isolation of the, 564* of Vertebrates (Book), 1117

Produced in Embryonating Chicken Eggs and Tissue Culture, Modified Live Rabies, 166

Purification of Ovine Abortion, 472 Response of Sheep to Infection with Foot-and-

Mouth Disease, 51 Subculturable Swine Buffy Coat Cells with Hog Cholera, 1022

Vitamin B Complex for the Treatment of Anemia in Adult Sheep, Iron-Dextran and, 452* Corresp.: 766

Vitamin D Prevents Milk Fever but May Be Toxic, 676

W

- Washington News, 6, 106, 224, 316, 428, 542, 656, 768, 884, 978, 1076, 1172
- Weaning Time on Ovine Parasitism, Effects of, 1225
- (West African Monkey) First Experimental Animal Found for Hepatitis Research 713 What Is Your Diagnosis?, 169, 267, 381, 475, 587,
- 699, 821, 1026, 1113 What Is Your Diagnosis?
- Actinomycosis-like Lesion of the Small Intestine. Probably the Heum, of a Dog. 587
- tine, Probably the Ileum, of a Dog, 587 Enlarged Heart and Dilated Pulmonary Artery in Dog, 475
- Corresp.: 766
 Esophageal Stricture in Heifer, 699
 Fetus in the Abdomen of Cat, 1113
- Fracture of the Scapula in Dog, 821
 Fracture of Third Phalanx on Lateral Digit in
- Cow, 927
 Gaseous Distention of the Small Intestine and
 Achondroplasia of Dog, 1026
- Achondroplasia of Dog, 1026
 Scapular Tuberosity and Shoulder Dysplasia in Dog, 267
- Separation of Tendon of Gastrocnemius Muscle from Femur in Dog, 1229 Syndactylism in Dog, 169
- Transitional Cell Papilloma in Urinary Bladder of Dog, 381
- Wheat, Glucose and Acids in Ovine Rumen After Addition of Large Amounts of, 702

- Whipworm Infection in Man, Canine, 1183 White House Fellows Due December 15, Applica-
- Women in Science (Edit. Viewpoints), 932 Women's Auxiliary, 71, 185, 285, 397, 508, 614, 727, 839, 947, 1042, 1133, 1245
- Workmen's Compensation Rates, Council on Veterinary Service Investigates, 1231

X

X-Ray Exposure of Swine, 1223 X-Ray Protection Practices Among Michigan Veterinarians, Survey of, 793*

Y

Yellow Fat Disease with Muscle Degeneration in Horse (CPC), 806

Z

Zoning Brochure, 1211 Zoo To Acquire 1,200 New Animals, New Greater Los Angeles, 393

